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# REMEDIAL INVESTIGATION REPORT

**224 3<sup>rd</sup> Avenue  
BROOKLYN, NEW YORK  
NYSDEC BCP Site No. C224373**

*Prepared for:*

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**LANGAN**

**April 30, 2024  
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## LIST OF ACRONYMS

Acronym	Definition
1,1,1-TCA	1,1,1-trichloroethane
AOC	Area of Concern
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below Grade Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CAMP	Community Air Monitoring Plan
Cis-1,2-DCE	Cis-1,2-dichloroethene
COC	Contaminants of Concern
CSM	Conceptual Site Model
DCP	Department of City Planning
DER	Division of Environmental Remediation
DOT	Department of Transportation
DUSR	Data Usability Summary Report
el	Elevation
ELAP	Environmental Laboratory Approval Program
eV	Electron Volt
FWRIA	Fish and Wildlife Resources Impact Analysis
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene
IDW	Investigation-Derived Waste
L/min	Liters per Minute
µg/m <sup>3</sup>	Micrograms per Cubic Meter
µg/L	Micrograms per Liter
mg/kg	Milligrams per Kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAPL	Non-Aqueous Phase Liquid
NAVD88	North American Vertical Datum of 1988
NYCRR	New York City Codes Rules and Regulations
NYSDOH	New York State Department of Health
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid

<b>Acronym</b>	<b>Definition</b>
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppm	Parts per million
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RL	Reporting Limit
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RR	Restricted Use – Restricted Residential
SCO	Soil Cleanup Objective
AWQS SGV	Ambient Water Quality Standards and Guidance Values for Class GA water
SMP	Site Management Plan
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethylene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
UU	Unrestricted Use
VOC	Volatile Organic Compound

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## **CERTIFICATION**

I, Michael D. Burke, certify that I am currently a Qualified Environmental Professional as defined in 6 New York Codes, Rules, and Regulations Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).

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Michael D. Burke, PG, CHMM

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## 1.0 INTRODUCTION

This Remedial Investigation Report (RIR) was prepared on behalf of 224 Third Ave Owner LLC (the Volunteer) for the property located at 224 3<sup>rd</sup> Avenue (Brooklyn Tax Block 426, Lot 36) in the Gowanus neighborhood of Brooklyn, New York (the site). The Volunteer executed a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on May 17, 2023 to investigate and remediate the site under the New York State Brownfield Cleanup Program (BCP Site No. C224373). An E-designation (E-601) for hazardous materials, air quality, and noise was assigned to the site by the New York City (NYC) Department of City Planning (DCP) as part of the 2021 Gowanus Neighborhood Plan Rezoning (City Environmental Quality Review [CEQR] No. 19DCP157K). Sites with E-Designations are subject to environmental review by the New York City Mayor's Office of Environmental Remediation (NYCOER).

This RIR presents environmental data and findings from the remedial investigation (RI) conducted between July 14, 2023 and April 19, 2024. The RI was completed by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) and was conducted in accordance with Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 375-1, 3.8, 6.8, NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10), and applicable New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, with updates. The objectives of this RI include:

- Define the nature and extent of contamination in soil, soil vapor, and groundwater at or emanating from the site
- Generate sufficient data to evaluate the remedial action alternatives and prepare a Remedial Action Work Plan (RAWP) to be implemented concurrently with site redevelopment
- Generate sufficient data to evaluate potential threats to human health and the environment

## 2.0 SITE PHYSICAL CHARACTERISTICS

### 2.1 Site Description

The about 8,470 square feet (0.19± acres) site is located at 224 3<sup>rd</sup> Avenue in Brooklyn, New York and is identified on the Brooklyn Borough Tax Map as Block 426, Lot 36. The site is improved with a vacant one-story building with a partial cellar that was most recently occupied by A&A Brake Services Company Inc. (an automobile repair shop) and Mack Truck Parts (an automobile parts retailer). The site is bordered by a used car parking lot and dealership (Major Auto Show) followed by Degraw Street to the north; 3<sup>rd</sup> Avenue to the east; Sackett Street to the south; and a three-story commercial building followed by a recycling business, construction site, and Nevins Street to the west. A site location map is provided as Figure 1 and a site plan is provided as Figure 2.

### 2.2 Surrounding Property Land Use

The site is located in a mixed-use area with multi-story institutional, commercial, light industrial and residential buildings. The following is a summary of surrounding property usage:

Direction	Adjoining Properties	Surrounding Properties
North	A used car parking lot and a one-story commercial building, a bottle and can recycling facility	A public park, multi-story commercial and residential buildings
East	3 <sup>rd</sup> Avenue followed by a two-story commercial use building	Multi-story commercial and residential buildings
South	Sackett Street followed by a nine-story residential building currently under construction	Multi-story commercial and residential buildings
West	A three-story commercial building	Multi-story commercial and residential buildings

Public infrastructure (storm drains, sewers, and underground utility lines) exists within the streets and sidewalks surrounding the site. A land use map showing the adjacent and surrounding properties is provided as Figure 3.

Land use within a half-mile radius includes residential, commercial, light industrial and institutional uses and public park land. The nearest ecological receptor is the Gowanus Canal, located about 720 feet west of the site. Sensitive receptors, as defined in DER-10, located within a half-mile of the site, are listed below:

<b>Number</b>	<b>Name (Approximate distance from site)</b>	<b>Address</b>
1	The Rivendell School (about 0.13 miles south of the site)	277 3 <sup>rd</sup> Avenue Brooklyn, NY 11215
2	Fastrackkids (about 0.15 miles east of the site)	150 4 <sup>th</sup> Ave. Brooklyn, NY 11217
3	PS 133 – William A Butler (about 0.19 miles northeast of the site)	610 Baltic St Brooklyn, NY 11217
4	Tiny Steps Daycare Center (about 0.19 miles east of the site)	256 4 <sup>th</sup> Ave Brooklyn, NY 11215
5	The Little Brooklyn Pre-K Center (about 0.20 miles south of the site)	305-307 3 <sup>rd</sup> Avenue Brooklyn, NY 11215
6	Daddy’s Daycare 6 (about 0.21 miles east of the site)	357 Douglass St Brooklyn, NY 11217
7	Bumble Bee Daycare (about 0.22 miles southeast of the site)	258 4 <sup>th</sup> Avenue Brooklyn, NY 11215
8	P.S. 372 The Children’s School (about 0.25 miles south of the site)	215 1 <sup>st</sup> Street Brooklyn, NY 11215
9	St John’s Kidz (about 0.28 miles east of the site)	390 Butler St. Brooklyn, NY 11217
10	Alonzo A. Daughtry Memorial Day Care Center, Inc. – KCHM (about 0.28 miles east of the site)	565 Baltic Street Brooklyn, 11217
11	PS 32 – The Samuel Mills Sprole School (about 0.30 miles west of the site)	317 Hoyt Street Brooklyn, NY 11231
12	Mildred’s Family Daycare (about 0.31 miles northwest of the site)	426 Baltic Street, Brooklyn, NY 11217
13	Kid’s Care Daycare (about 0.33 miles south of the site)	281 1 <sup>st</sup> Street Brooklyn, NY 11215
14	Park Slope Christian Academy (about 0.33 miles northeast of the site)	98 5 <sup>th</sup> Ave Brooklyn, NY 11217
15	Sunflower Child Care (about 0.34 miles southeast of the site)	238 5 <sup>th</sup> Avenue Brooklyn, NY, 11215
16	New Dawn Charter High School (about 0.34 miles northwest of the site)	242 Hoyt St Brooklyn, NY 11231
17	Brooklyn High School of the Arts (about 0.37 miles north of the site)	345 Dean St Brooklyn, NY 11217
18	The Math and Science Exploratory School (about 0.37 miles north of the site)	345 Dean St Brooklyn, NY 11217
19	Tiny Steps Daycare Center (about 0.37 miles east of the site)	33 St Johns Pl Brooklyn, NY 11217
20	PS 38 – The Pacific School (about 0.37 miles north of the site)	450 Pacific St Brooklyn, NY 11217

<b>Number</b>	<b>Name (Approximate distance from site)</b>	<b>Address</b>
21	Al-Madinah School (about 0.38 miles south of the site)	383 3 <sup>rd</sup> Ave Brooklyn, NY 11215
22	Strong Place for Hope Daycare (about 0.39 miles southeast of the site)	333 2 <sup>nd</sup> Street Brooklyn, NY 11215
23	Zusin Family Daycare (about 0.40 miles southeast of the site)	323 3 <sup>rd</sup> Street Brooklyn, NY, 11215
24	Acorn High School for Social Justice (about 0.40 miles north of the site)	500 Pacific St Brooklyn, NY 11217
25	Park Slope North Early Childhood Center (about 0.40 miles east of the site)	71 Lincoln Pl Brooklyn, NY 11217
26	PS/MS 282 – Park Slope Elementary & Middle School (about 0.41 miles east of the site)	180 6 <sup>th</sup> Ave Brooklyn, NY 11217
27	Daddy’s Daycare 4 (about 0.44 miles northwest of the site)	87 Douglass St Brooklyn, NY, 11231
28	Cobble Hill School for American Studies (about 0.45 miles northwest of the site)	347 Baltic St Brooklyn, NY 11201
29	Special Education School 77 (about 0.45 miles northeast of site)	62 Park Pl Brooklyn, NY 11217
30	Strong Place for Hope Daycare (about 0.46 miles north of the site)	460 Atlantic Avenue Brooklyn, NY 11217

## 2.3 Site Physical Conditions

### 2.3.1 Topography

According to monitoring well survey measurements obtained by Langan on August 12, 2023, site surface elevations (el) range from about el 18.14 feet<sup>1</sup> in the northwest corner of the site to el 18.96 feet in the southeast part of the site. The topography of the site is relatively flat and the topographic gradient of the surrounding areas gently slopes west towards the Gowanus Canal.

### 2.3.2 Regional Geology

The site is located in a developed part of Brooklyn, New York that is generally covered with paved roads, public walkways and buildings. The built environment is typically underlain by uncontrolled fill used during construction and development since the 1800’s. The area surrounding the Gowanus Canal, including the site, was originally part of the former Gowanus Creek and

<sup>1</sup> Elevations in this RIR refer to North American Vertical Datum of 1988 (NAVD88), which is about 1.1 feet above mean sea level at Sandy Hook, NJ.

associated wetlands. In 1848, the State of New York authorized construction of the Gowanus Canal as well as the draining and filling of the wetlands of South Brooklyn (New York City Department of City Planning, 1985). By 1869, the Gowanus Canal was completed with the current street configuration surrounding the Canal.

According to "Bedrock and Engineering Geologic Maps of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey," dated 1994, by Charles A. Baskerville, et al., the site is underlain by the Hartland Formation, which generally consists of white quartz-microcline-muscovite granite, gray biotite-muscovite-quartz schist, gray sillimanite-plagioclase-muscovite schist, and greenish-black amphibolite. The depth to bedrock is expected to be greater than 100 feet bgs.

### 2.3.3 Regional Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeological network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks. Groundwater in the vicinity of the site generally flows west towards the Gowanus Canal. A groundwater elevation contour map is provided as Figure 4. Groundwater in Kings County is not used as a potable water source. Potable water provided to Kings County is sourced from reservoirs in the Catskill and Delaware watersheds.

### 2.3.4 Wetlands

Wetlands were evaluated by reviewing the National Wetlands Inventory and NYSDEC regulated wetlands map. There are no wetlands on the site. The nearest mapped wetland is the Gowanus Canal, classified as an estuarine and marine deepwater wetland, located about 720 feet west of the site.

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### **3.0 SITE BACKGROUND**

This section describes historical site uses and the proposed redevelopment, and provides a summary of the findings from previous environmental investigations. Potential areas of concern (AOC) were developed based on a review of the previous reports and are summarized in Section 3.4.

#### **3.1 Historical Site Usage**

The Gowanus neighborhood of Brooklyn has a history of industrial operations that have resulted in environmental impacts to the subsurface. According to Sanborn maps, the site has been in a densely-developed urban area, characterized by commercial and industrial uses, as early as 1886. Historical records indicate the site was improved with multiple dwellings dating back to 1886. Around 1915, the dwellings appear to have been replaced by two new buildings used for “laundry” and a Bottle Cleaning & Storage facility, and portion of a third building is designated as bottle storage. By 1938, the new buildings appear to have been removed and a new single structure (built circa 1930) appears and is designated as a garage with a 550-gallon underground storage tank (UST). The site configuration is unchanged between 1938 and present day. The site is presently vacant but was most recently used for automobile repair and auto parts retail.

#### **3.2 Proposed Redevelopment Plan**

The current development proposes a new 11-story mixed-use residential and commercial building, with a partial cellar. The cellar will be used for building utilities (i.e., mechanical, electrical, plumbing). The ground floor will contain an outdoor recreational space, fitness room, indoor recreational room, lobby, and commercial spaces. Floors 2 through 11 will contain residential units. The development will designate 25% of the residential units for affordable housing. The fourth floor will have a setback green roof and outdoor terrace in the southern part of the building footprint. The proposed building will generate electricity through photovoltaic arrays and will be connected to Consolidated Edison’s electrical distribution system. The proposed development plans are included as Appendix A.

#### **3.3 Summary of Previous Environmental Investigations**

Environmental documents prepared for the BCP site include the following (copies are provided as Appendix B):

- *Limited Subsurface Investigation (LSI)*, prepared by Langan, dated October 2021.
- Phase I Environmental Site Assessment Report, prepared by Brussee Environmental Corp. (BEC), dated May 2022.
- Limited Phase II Investigation, prepared by BEC, dated May 6, 2022.

The following is a summary of relevant findings for each environmental data package:

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Limited Subsurface Investigation (LSI), prepared by Langan, dated October 2021

An LSI was completed at the site and adjacent properties to evaluate subsurface soil, groundwater, and soil vapor conditions. Four soil borings, one temporary groundwater well, and one soil vapor point were installed at the site. Soil sample analytical results identified several metals at concentrations above the restricted use restricted-residential (RR) soil cleanup objectives (SCO). Groundwater analytical results identified metals at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values (SGV) for Class GA (drinking water). The volatile organic compound (VOC) tetrachloroethene (PCE) was detected in soil vapor at concentrations that warrant mitigation when compared to the NYSDOH decision matrices. A PCE source was not identified during the LSI.

Phase I Environmental Site Assessment Report, prepared by BEC, dated May 2022

BEC reviewed historical documents and conducted a site visit as part of a May 2022 Phase I Environmental Site Assessment (ESA). The following Recognized Environmental Conditions (REC) were identified:

- Underground Storage Tank: A 550-gallon UST was identified on Sanborn historical maps and possible tank piping (a fill port and vent pipe) was observed during the site reconnaissance. The potential for spills and releases from this tank was considered a REC.
- Historical Use of the Subject Property and Surrounding Properties: The site was used as an auto garage from the 1930's to 2022. Surrounding properties included various commercial and industrial uses, including the former Fulton Works Manufactured Gas Plant (MGP) that may have contributed to contamination of the subsurface at the subject property.

Limited Phase II Investigation, prepared by BEC, dated May 6, 2022

BEC conducted a Phase II subsurface investigation to further investigate the RECs identified in their Phase I ESA. The Phase II consisted of a geophysical survey, advancement of six soil borings to 15 feet bgs, installation of three groundwater monitoring wells, and installation of three soil vapor points. Seven soil samples, three groundwater samples, and three soil vapor samples were collected. SVOCs and metals were detected in soil at concentrations above the RR SCOs. PCE was detected in shallow soil at concentrations below the RR SCO and in groundwater below the SGV. PCE was detected in soil vapor at 150,000 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), which would require vapor mitigation in future development where the foundation is above the groundwater table.

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### **3.4 Summary of Potential Areas of Concern**

Based on site observations, development history, and findings of the previous environmental reports, AOCs were identified and investigated during the RI and are described below. Sample locations and the AOC areas are shown on Figure 5.

#### **AOC 1: 550-Gallon Gasoline Tank**

Based on the Sanborn Maps, by 1938 the site was occupied by a one-story garage and repair shop containing a 550-gallon gasoline tank, which is shown through the 1988 Sanborn map. During the 2021 LSI, a geophysical survey identified a subsurface anomaly resembling a UST in the eastern part of the site, consistent with the location shown on the Sanborn maps. Investigation locations were placed in proximity to the UST to further investigate the potential for a historical release or petroleum-related impacts.

#### **AOC 2: Auto Parts Cleaning Area**

During a site visit in December 2021, an auto parts cleaning area associated with the former auto repair operations was observed near the southwest part of the site. Solvents including PCE and trichloroethene (TCE) have historically been used to degrease metal parts at auto repair facilities. Undocumented releases of these solvents may have adversely affected soil, groundwater, and/or soil vapor beneath the site. One soil vapor sample taken in the center of the site contained a PCE concentration of 1,800  $\mu\text{g}/\text{m}^3$ , which warrants mitigation when evaluated against the NYSDOH Decision Matrices. Additional investigation was performed in the vicinity of the auto parts cleaning area to further investigate potential sources and extents of PCE impacts.

#### **AOC 3: Historical Site Operations**

The site has historically been used for industrial purposes since the 1900's. Between 1915 and 1930, operations included a "laundry" and bottle cleaning and storage. Auto-repair and parts cleaning are estimated to have begun around 1930 and continued until early November 2022. The industrial history may have resulted in a release of target compounds to subsurface soil, groundwater, and/or soil vapor and was further investigated during the RI.

## **4.0 REMEDIAL INVESTIGATION**

The RI was completed between July 14, 2023 and April 19, 2024 to investigate potential AOCs and to determine, to the extent practical, the nature and extent of contamination in soil, groundwater, and sub-slab vapor. The scope of the RI included the field tasks listed below to supplement the data and findings of previous investigations. A summary of the collected samples is provided in Table 1. Sample locations from the RI and previous LSI, and AOCs, are presented on Figure 5.

The RI and consisted of the following:

- A geophysical survey to identify potential USTs and other suspect underground structures, and to clear investigation locations of subsurface obstructions or utilities;
- Advancement of 12 soil borings to depths from 20 to 35 feet bgs, from which 36 soil samples (plus two quality assurance/quality control [QA/QC] duplicate samples), were collected;
- Advancement of three delineation soil borings around RIB01 to depths ranging from 20 to 30 feet bgs, from which two soil samples were collected, to delineate petroleum impacts;
- Advancement of two deep borings to depths of 100 and 110 feet bgs to investigate potential presence of grossly contaminated material (GCM)/non-aqueous phase liquid (NAPL). Two deep soil samples were collected;
- Installation of seven groundwater monitoring wells and collection of seven groundwater samples;
- Installation of seven temporary sub-slab vapor points and collection of seven sub-slab vapor samples with co-located indoor air samples; and
- Survey and gauging of monitoring wells to evaluate groundwater elevation and flow direction.

The RI was performed in accordance with the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) and the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, with updates) and the NYSDEC-approved June 22, 2023 Remedial Investigation Work Plan (RIWP).

### **4.1 Geophysical Survey and Utility Location**

On July 14, 2023, NOVA Geophysical Services Inc. (NOVA) of Douglaston, New York completed a geophysical survey under the supervision of Langan field personnel. NOVA used ground-penetrating radar (GPR) and electromagnetic detection equipment to locate the suspected UST and identify any potential additional USTs, buried utilities, and subsurface anomalies across the

site. RI borings were relocated as necessary to avoid identified subsurface utilities and anomalies. A copy of the geophysical survey report presenting these findings is included in Appendix C.

## 4.2 Soil Investigation

### 4.2.1 Soil Boring Investigation Methodology

Twelve soil borings and three supplemental petroleum delineation borings were advanced during the RI by Eastern Environmental Solutions (Eastern) of Manorville, New York. Boring locations were selected to evaluate potential AOCs listed in Section 3.4, to supplement the previous environmental data, and to delineate impacts observed in the field. RI soil borings were advanced using a Geoprobe 7822DT track-mounted direct-push drill rig. Two additional deep soil borings (RIB05\_D and RIB06\_D) were advanced by Coastal Environmental Solutions (Coastal) of Bohemia, New York to investigate whether GCM/NAPL was present at the site, using an Eijkelkamp Sonic Drill Rig. RIB05\_D and RIB06\_D were advanced instead of off-site borings RIB13 and RIB14, which were proposed in the RIWP as alternate locations if the investigation could not be completed onsite due to drill rig clearances. A map showing the RI soil borings, delineation borings, deep boring locations, and previous borings advanced during the January 2023 LSI is presented as Figure 5.

The following table summarizes the AOCs and their associated RI borings.

AOC	Associated Soil Borings
AOC 1 – 550-Gallon Gasoline Tank	RIB01, RIB01_NE, RIB01_SE, RIB01_W, RIB02, and RIB03
AOC 2 – Auto Parts Cleaning Area	RIB07, RIB09
AOC 3 – Historical Site Operations	RIB04, RIB05, RIB06, RIB08, RIB10, RIB11, RIB12

Soil borings were advanced to the first apparent undisturbed soil interval, which was encountered between 10 and 25 feet bgs. Soil boring RIB10 was further advanced to 35 feet bgs because no recovery was obtained from the 20- to 30-foot bgs interval. Additionally, two deep borings were advanced to 100 and 110 feet bgs to investigate potential impacts of grossly contaminated material originating from off-site sources.

Direct push soil samples were collected into dedicated 5-foot-long acetate liners using a 2-inch diameter Macrocore sampler and Sonic samples were collected into 5-foot-long plastic sleeves using a core barrel sampler. Discrete soil samples were collected from the surface to the final depth of each boring and were screened for visual, olfactory, and instrumental evidence of environmental impacts and visually classified for soil type, grain size, texture, and moisture

content. Instrument screening for the presence of VOCs was performed using a PID equipped with a 10.6 electron volt (eV) lamp. Langan personnel documented the work, logged the soil type, screened the soil samples for environmental impacts, and collected environmental samples for laboratory analyses. Soil boring logs are presented in Appendix D.

#### 4.2.3 Soil Sampling

Langan collected 38 grab soil samples, plus 2 duplicates, for laboratory analysis. Three grab soil samples were collected from borings RIB01 through RIB12 to investigate AOCs. Two grab samples were collected from RIB01\_W to delineate field indications of petroleum impacts at RIB01.

Additionally, two grab samples (totaling 42 RI soil samples) were collected from RIB05\_D to evaluate potential GCM impacts. Generally, samples were collected from the upper two-foot interval, the first occurrence of undisturbed soil or the greatest degree of impacts determined by visual, olfactory, or instrumental means, and from the boring termination depth or the first interval below which environmental impacts were apparent, when applicable.

Soil samples submitted for VOC analysis were collected directly from the plastic liner or dedicated polyethylene-bag samples using laboratory-supplied Terra Core soil samplers. The remaining sample volume was placed into laboratory-supplied containers for analysis of non-VOC parameters. The sample containers were labeled, placed in a laboratory-supplied cooler and packed with ice (to maintain a temperature of  $4 \pm$  °C). The sample coolers were picked up and delivered via courier under chain-of-custody to York Analytical Laboratories, Inc. (York) in Stratford, Connecticut – a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (ELAP ID No. 10854).

Soil samples were analyzed for Part 375/Target Compound List (TCL) VOCs, semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides and herbicides, Part 375/Target Analyte List (TAL) inorganics/metals (including hexavalent and trivalent chromium), cyanide, 1,4-dioxane (EPA Method 8270) and PFAS (EPA Method 1633).

Soil samples collected from RIB05\_D were analyzed for Part 375/TCL VOCs, SVOCs and cyanide, to evaluate potential GCM impacts.

### **4.3 Groundwater Investigation**

Langan field personnel documented installation of seven permanent monitoring wells to investigate groundwater conditions and potential impacts associated with the AOCs. The following table summarizes the installed monitoring wells and the associated soil boring.

<b>Soil Boring</b>	<b>Corresponding Monitoring Well</b>
RIB01	RIMW01
RIB03	RIMW02
RIB05	RIMW03
RIB07	RIMW04
RIB09	RIMW05
RIB11	RIMW06
RIB12	RIMW07

#### 4.3.1 Monitoring Well Installation, Development, and Surveying

Groundwater monitoring wells were installed per the NYSDEC Guidelines on Installation of Overburden Wells (Monitoring Wells) for Environmental Investigation. Due to site conditions and limited access to the drilling locations Langan could not mobilize a drilling rig that could install wells with two inches of annular space surrounding the well; therefore, each monitoring well was constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to a 15-foot-long, pre-packed, 0.02-inch slotted screen that was set to straddle the observed groundwater table. An about 3.5-inch borehole was advanced via direct-push to set each well. The annulus created by the pre-packed screen is about ½-inch. The annulus around the pre-packed well screens was filled with clean No. 2 sand to about two feet above the top of the screen, followed by a bentonite seal to surface grade. The monitoring wells were finished with flush-mount manhole covers encased in concrete. Following installation, the monitoring wells were surged and developed by the driller by purging with a submersible pump until the water ran clear. Well construction details are summarized in Table 2, and construction logs are provided in Appendix E.

Langan field personnel completed synoptic groundwater gauging on July 28, 2023 using a Solinst 122 oil/water interface probe. The monitoring well top-of-casing elevations were surveyed by Langan on August 14, 2023 and are referenced in feet to the North American Vertical Datum of 1988 (NAVD88). Groundwater elevations ranged from el. 5.4 in RIMW01 to el. 4.5 in RIMW07. Complete groundwater elevations are presented in Table 3. A groundwater elevation contour map is presented as Figure 4. During the groundwater sampling in April 2024, groundwater depth ranged from 11.8 to 13.77 feet bgs and 4.44 feet below cellar grade.

#### 4.3.2 Groundwater Sampling

Groundwater samples were collected from each well at least one week after well development, on April 18 and 19, 2024. Samples were collected in accordance with the United States Environmental Protection Agency (USEPA) low-flow groundwater sampling procedure ("Low

Stress [low-flow] Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells”, dated July 30, 1996 and revised September 19, 2017), and best management practices outlined in DER-10, to allow for collection of representative samples using a peristaltic pump with dedicated polyethylene tubing. Prior to sample collection, groundwater was purged from each well while monitoring physical and chemical groundwater parameters (i.e., pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential). Because groundwater samples were also analyzed for PFAS, monitoring wells were not gauged for static water level or drawdown during purging to avoid cross-contamination. Groundwater was purged until physical and chemical groundwater parameters stabilized, or for a minimum of one hour. Stabilization was achieved in five of the seven wells. In the two wells that did not stabilize, turbidity ranged from 19.8 NTU in RIMW02 and 51.8 NTU in RIMW01 at the time of sample collection. Groundwater sampling logs are included in Appendix F.

Seven groundwater samples were collected into laboratory-supplied glassware, packed with ice to maintain a temperature of 4 °C, and transported via courier service to York Analytical Laboratories under chain-of-custody protocol. Groundwater samples were analyzed for Part 375/TCL VOCs, SVOCs, PCBs, pesticides and herbicides, Part 375/TAL total and dissolved metals, (including cyanide and hexavalent and trivalent chromium) 1,4-dioxane (8270-SIM) and PFAS.

#### **4.4 Sub-Slab Vapor Investigation**

Seven sub-slab vapor samples (SSV01 through SSV07) and seven co-located indoor air samples (IA01 through IA07) were collected inside the vacant building to evaluate vapor intrusion conditions associated with the AOCs. Sub-slab vapor construction logs, and sub-slab vapor and indoor air sampling logs are provided in Appendix G.

##### 4.4.1 Sub-Slab Vapor Point Installation

The sub-slab vapor points were installed by Eastern using a hammer drill to advance the points to 2 inches below the bottom of the building slab, in general accordance with the NYSDOH's Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, with updates) (hereafter referred to as SVI Guidance). Sub-slab vapor points consisted of dedicated polyethylene tubing – the annular space around the tubing was backfilled with No. 2 filter sand followed by bentonite seal to grade.

##### 4.4.2 Sub-Slab Vapor and Indoor Air Sampling and Analysis

As a QA/QC measure before sampling, an inert tracer gas (helium) was introduced into an above-grade sampling chamber to check that the sub-slab vapor sampling points were properly sealed above the target sampling depth, thereby preventing subsurface infiltration of ambient air. Direct

readings of less than 10 percent helium in the sampling tube were considered sufficient to verify a tight seal at each sample point.

Each sub-slab vapor point was also purged using a MultiRAE meter at a rate less than 0.2 liters per minute (L/min) to evacuate a minimum of three sample tubing volumes prior to sample collection. The purged sub-slab vapor was monitored for VOCs and the values were recorded. After purging was completed, sub-slab vapor and indoor air samples were collected into laboratory-supplied, batch-certified, 6-Liter Summa canisters calibrated for 8 hours of sampling.

Summa canisters were labeled and transported by a courier to York under chain-of-custody protocol for analysis of VOCs and naphthalene by USEPA Method TO-15.

#### **4.5 Quality Control Sampling**

Field blanks, PFAS field blanks, trip blanks, field duplicate samples, and MS/MSD samples were collected and submitted for laboratory analysis for QA/QC purposes. QA/QC samples are summarized in Table 1.

Langan collected 14 soil QA/QC samples (including two duplicates, two matrix spike/matrix spike duplicate [MS/MSD] samples, two field blanks, four per- and polyfluoroalkyl substances [PFAS] field blanks, and four trip blanks) and 6 aqueous QA/QC samples (including one MS/MSD sample, one field blank, four PFAS field blanks, and four trip blanks) for laboratory analysis.

Field duplicates were collected to assess the accuracy of the analytical methods relative to the sample matrix. The duplicates were collected from the same sample media as the primary sample by splitting the volume of homogenized sample collected in the field into two sample containers.

Field blank samples were collected to determine the cleanliness of unused nitrile gloves used to collect samples. Field blank samples were analyzed for the same analytes as the corresponding sampling event, with the exception of PFAS. One PFAS field blank sample was collected per day of sampling when PFAS was analyzed.

Trip blank samples were collected to assess the potential for contamination of the sample containers and samples by handling/sampling during the trip from the laboratory to the field, and back to the laboratory for analysis. Trip blanks contain approximately 40 milliliters of acidic water that is sealed by the laboratory when the empty sample containers are shipped to the field, and unsealed and analyzed by the laboratory when the sample shipment is received from the field. The trip blank samples were analyzed for VOCs.

MS/MSD samples were collected to assess the effect of the sample matrix on the recovery of target compounds or target analytes. MS/MSD samples were collected from the same soil or

groundwater as the primary sample by splitting the volume of the homogenized sample collected in the field into three sample containers.

## **4.6 Data Validation**

Analytical data was submitted to a Langan validator for review in accordance with USEPA and NYSDEC validation protocols. Data usability summary reports (DUSR) and the data validator's credentials are provided in Appendix H.

### 4.6.1 Data Usability Summary Report Preparation

A DUSR was prepared for each delivery group following data validation. The DUSR presents the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain-of-custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. For each of the organic analytical methods, the following was assessed:

- Holding times
- Instrument tuning
- Instrument calibrations
- Blank results
- System monitoring compounds or surrogate recovery compounds (as applicable)
- Internal standard recovery results
- MS/MSD results
- Target compound identification
- Chromatogram quality
- Compound quantization and reported detection limits
- System performance
- Results verification

For each of the inorganic compounds, the following was assessed:

- Holding times
- Calibrations
- Blank results
- Interference check sample
- Laboratory check samples

- Duplicates
- Matrix Spike
- Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) QC
- ICP serial dilutions
- Results verification and reported detection limits

Based on the results of data validation, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and best professional judgment:

**R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

**J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

**UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.

**U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

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

After data validation was complete, validated data was used to prepare the tables and figures included in this report.

#### **4.7 Field Equipment Decontamination**

Handheld sampling equipment, including the interface probe, water quality meter, and sampling pump, was decontaminated using an Alconox-based solution and triple rinsed with distilled water. Liquids were temporarily contained in 5-gallon buckets, and between rinses, equipment was placed such that contact with the ground was avoided. Decontamination wastewater was drummed for storage prior to disposal.

#### **4.8 Investigation-Derived Waste Management**

Soil cuttings, and decontamination and well development/purging fluids (investigation-derived wastes [IDW]) were containerized in eight labeled United Nations/Department of Transportation (UN/DOT)-approved 55-gallon DOT-approved drums with closed tops. All drums were properly labeled, sealed, and staged in a secured area on-site. Four drums containing soil cuttings, two drums containing drilling spoils, and two drums containing investigation-derived fluids were removed by Eastern, a licensed waste hauler, on August 14, 2023 for off-site disposal at the

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Clean Water of New York facility located in Staten Island, New York. Three drums containing investigation-derived fluids were generated during the April 2024 groundwater sampling and are pending off-site disposal.

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## **5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS**

### **5.1 Geophysical Investigation Findings**

The geophysical survey identified multiple anomalies, including subsurface utilities (e.g., sewer, water, electric, gas, and telecom). A subsurface anomaly indicative of a UST was identified in the eastern-central part of the site. A suspected fill port, vent pipe, and cut fuel lines were observed adjacent to the suspected UST. A copy of the geophysical survey report is included as Appendix C.

### **5.2 Geology and Hydrogeology**

Provided below is a description of the geological and hydrogeological observations made during the RI. Groundwater elevations are summarized in Table 3. A depiction of groundwater elevation contours is provided as Figure 4. Cross-sectional diagrams interpreting soil profiles beneath the site are shown on Figures 6A and 6B. Boring logs are provided in Appendix D.

#### 5.2.1 Uncontrolled Fill

The building concrete slab is underlain by uncontrolled fill, predominantly consisting of tannish-brown to dark-brown and greyish-brown, fine-grained sand with varying amounts of silt, fine gravel, concrete, brick, coal, coal ash, ceramics, and glass and extending to depths ranging from about 10 to 25 feet bgs. Bedrock was not encountered during the subsurface investigation.

#### 5.2.2 Undisturbed Soil Layers

The uncontrolled fill layer is underlain by undisturbed soil that predominantly consists of tannish-brown to grayish-brown fine sand with trace fine gravel and trace to some clay or silt, followed by brown, dark-brown, or gray to dark-gray high plasticity clay with varying amounts of fibrous vegetation. In soil borings RIB01\_W, RIB01\_NE, RIB03, RIB05, RIB06, RIB07, RIB08, RIB09, and RIB12, undisturbed clay was encountered directly below the uncontrolled fill.

#### 5.2.3 Bedrock

The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" indicates that the bedrock underlying the site is part of the Hartland Formation and is between 100 and 200 feet bgs. Bedrock was not encountered during the RI.

#### 5.2.4 Hydrogeology

Synoptic groundwater level measurements were collected from all seven monitoring wells on July 28, 2023. Groundwater depth ranged from about 13 to 13.8 feet bgs, with corresponding elevations from about el. 5.4 to 4.5, respectively. During the groundwater sampling in April 2024, groundwater depth ranged from 11.8 to 13.77 feet bgs and 4.44 feet below cellar grade. The

regional groundwater table is relatively flat with a slight gradient to the west towards the Gowanus Canal. Dewatering activities at neighboring construction sites may also be influencing groundwater elevations and flow direction.

#### 5.2.5 Surface Water and Drainage

The BCP site is improved with building slabs that prevent rainwater infiltration. Runoff from the surrounding area typically drains through catch basins into city sewers. No surface water is present at the site.

### **5.3 Soil Findings**

#### 5.3.1 Soil Boring Field Observations

Petroleum-like impacts, evidenced by odors, staining, and PID readings above background, were apparent in two borings (RIB01 and RIB01\_W) in the northeastern part of the site. Petroleum-like odor, matte-black staining, and PID readings up to 555.3 ppm were observed in soil boring RIB01 between 10 and 13.5 feet bgs. Petroleum-like odor and a maximum PID reading of 21.7 ppm were observed in western offset boring RIB01\_W between 15 and 16 feet bgs. The horizontal and vertical extents of petroleum-like impacts were delineated by soil borings RIB01\_NE, RIB01\_SE, and RIB04, where no petroleum-like impacts were observed.

NAPL was not identified in the deep borings. Residual coal tar-like impacts, evidenced by odors, staining, and PID readings above background levels were apparent in one boring (RIB05\_D) in the northwestern part of the site. Naphthalene-like odors and a maximum PID reading of 55.3 ppm were observed between 93 and 100 feet bgs. Dark-gray staining was observed in RIB05\_D between 93 to 93.5 feet bgs. Sheen, coating, blebs, saturation, oil, tar, or solid tar were not observed. Based on these observations and coordination in the field with NYSDEC and their consultant representative, further delineation was not warranted.

#### 5.3.2 Analytical Results

As part of the RI, 38 soil samples, plus two field duplicates, were collected and analyzed for Part 375/TCL VOCs, SVOCs, PCBs, pesticides and herbicides, Part 375/TAL inorganics/metals (including cyanide, hexavalent and trivalent chromium), 1,4-dioxane (8270) and PFAS (1633). Two additional grab soil samples were collected and analyzed for Part 375/TCL VOCs, SVOCs and cyanide, to evaluate coal tar odors identified as part of the deep investigation.

Soil sample analytical results are summarized in Table 4 with comparisons to UU and RR SCOs, and the NYSDEC April 2023 PFAS guidance values. Soil sample locations and analytical results from the and RI are shown on Figure 7. Laboratory analytical reports are included in Appendix I.

The following contaminants were detected at concentrations exceeding UU SCOs. Exceedances of the RR SCO are **bolded**.

## VOCs

Three VOCs were detected at concentrations exceeding the UU SCOs in two samples collected from soil borings RIB01 and RIB03 at depths near the groundwater table (about 10 to 13.5 feet bgs). Acetone was detected in 16 soil samples above UU SCOs; however, acetone is a common lab contaminant and was detected in lab control and trip blank samples. Benzene was detected above the UU SCO in one soil sample from soil boring RIB05\_D from 95 to 97 feet bgs and is associated residual coal tar impacts originating from an off-site source. The following table summarizes the minimum and maximum detected VOC concentrations above UU SCOs. VOCs did not exceed RR SCOs.

Analyte	Minimum Detected Concentration above SCO	Maximum Detected Concentration above SCO	SCOs	Number of Exceedances
Acetone	0.052 mg/kg in RIB01_0-2	2.4 mg/kg in RIB03_10.5-12.5	UU: 0.05 mg/kg RR: 100 mg/kg	UU: 16 RR: 0
Benzene	0.12 mg/kg in RIB05_D_95-97		UU: 0.06 mg/kg RR: 4.8 mg/kg	UU: 1 RR: 0
n-Butylbenzene	19 mg/kg in RIB01_11.5-13.5		UU: 12 mg/kg RR: 100 mg/kg	UU: 1 RR: 0
n-Propylbenzene	4 mg/kg in RIB03_10.5-12.5	63 mg/kg in RIB01_11.5-13.5	UU: 3.9 mg/kg RR: 100 mg/kg	UU: 2 RR: 0
sec-Butylbenzene	12 mg/kg in RIB01_11.5-13.5		UU: 11 mg/kg RR: 100 mg/kg	UU: 1 RR: 0

1. Concentrations shown exceed the UU SCOs.
2. mg/kg = milligrams per kilogram

## SVOCs

Eleven SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were detected at concentrations exceeding the UU and/or RR SCOs in 14 samples collected from soil borings RIB01, RIB02, RIB03, RIB04, RIB05, RIB06, RIB08, RIB09, RIB11 at depths from surface grade to 16 feet bgs. The following table summarizes the minimum and maximum detected SVOCs above UU and/or RR SCOs:

Analyte	Minimum Detected Concentration above SCO	Maximum Detected Concentration above SCO	SCOs	Number of Exceedances
Benzo(a)anthracene	<b>1.1 mg/kg</b> in RIB08_13-15	<b>79.2 mg/kg</b> in RIB09_0-2	UU: 1 mg/kg RR: 1 mg/kg	UU: 13 RR: 13
Benzo(a)pyrene	<b>1.29 mg/kg</b> in RIB05_10-12	<b>78.1 mg/kg</b> in RIB09_0-2	UU: 1 mg/kg RR: 1 mg/kg	UU: 12 RR: 12
Benzo(b)fluoranthene	<b>1.23 mg/kg</b> in RIB08_13-15	<b>90.7 mg/kg</b> in RIB09_0-2	UU: 1 mg/kg RR: 1 mg/kg	UU: 12 RR: 12
Benzo(k)fluoranthene	0.936 mg/kg in RIB05_0-2	<b>25.6 mg/kg</b> in RIB09_0-2	UU: 0.8 mg/kg RR: 3.9 mg/kg	UU: 9 RR: 5

Analyte	Minimum Detected Concentration above SCO	Maximum Detected Concentration above SCO	SCOs	Number of Exceedances
Chrysene	1.14 mg/kg in RIB08_13-15	<b>75.1 mg/kg</b> in RIB09_0-2	UU: 1 mg/kg RR: 3.9 mg/kg	UU: 13 RR: 7
Dibenzo(a,h)anthracene	<b>0.405 mg/kg</b> in RIB05_0-2	<b>12.9 mg/kg</b> in RIB09_0-2	UU: 0.33 mg/kg RR: 0.33 mg/kg	UU: 9 RR: 9
Dibenzofuran	7.58 mg/kg in RIB09_0-2		UU: 7 mg/kg RR: 59 mg/kg	UU: 1 RR: 0
Fluoranthene	<b>143 mg/kg</b> in RIB09_0-2	<b>144 mg/kg</b> in RIB02_0-2	UU: 100 mg/kg RR: 100 mg/kg	UU: 2 RR: 2
Indeno(1,2,3-cd)pyrene	<b>0.564 mg/kg</b> in RIB08_13-15	<b>59 mg/kg</b> in RIB09_0-2	UU: 0.5 mg/kg RR: 0.5 mg/kg	UU: 15 RR: 15
Phenanthrene	<b>119 mg/kg</b> in RIB02_0-2	<b>158 mg/kg</b> in RIB09_0-2	UU: 100 mg/kg RR: 100 mg/kg	UU: 2 RR: 2
Pyrene	<b>128 mg/kg</b> in RIB02_0-2	<b>145 mg/kg</b> in RIB09_0-2	UU: 100 mg/kg RR: 100 mg/kg	UU: 2 RR: 2

1. Concentrations shown exceed the UU SCOs.
2. Concentrations in bold exceed the RR SCOs.

### Pesticides

No pesticides were detected at concentrations exceeding the UU and/or RR SCOs.

### Herbicides

No herbicides were detected at concentrations exceeding the UU and/or RR SCOs.

### PCBs

No PCBs were detected at concentrations exceeding the UU and/or RR SCOs.

### Inorganics/Metals

Nine metals were detected at concentrations exceeding the UU and/or RR SCOs in 36 samples collected from soil borings RIB01 through RIB12 at depths from surface grade to 27.5 feet bgs. The following table summarizes the minimum and maximum detected inorganics/metals above UU and/or RR SCOs:

Analyte	Minimum Detected Concentration above SCO	Maximum Detected Concentration above SCO	SCOs	Number of Exceedances
Arsenic	13.8 mg/kg In RIB11_0-2	<b>40.4 mg/kg</b> in RIB08_21-23	UU: 13 mg/kg RR: 16 mg/kg	UU: 17 RR: 12
Barium	356 mg/kg in RIB12_0-2	<b>495 mg/kg</b> in RIB02_0-2	UU: 350 mg/kg RR: 400 mg/kg	UU: 4 RR: 3
Cadmium	2.59 mg/kg in RIB02_0-2		UU: 2.5 mg/kg RR: 4.3 mg/kg	UU: 1 RR: 0
Trivalent Chromium	30.4 mg/kg in RIB01_W_17-18	65.5 mg/kg in RIB08_8-10	UU: 30 mg/kg RR: 180 mg/kg	UU: 6 RR: 0
Copper	54.6 mg/kg in RIB07_21-22	<b>1,230 mg/kg</b> in RIB04_0-2	UU: 50 mg/kg RR: 270 mg/kg	UU: 17 RR: 4
Lead	64.2 mg/kg in RIB03_10.5-12.5	<b>2,700 mg/kg</b> RIB02_0-2	UU: 63 mg/kg RR: 400 mg/kg	UU: 36 RR: 15
Mercury	0.183 mg/kg In RIBDUP01_071723 (Parent Sample: RIB03_15-17)	<b>82.6 mg/kg</b> in RIB02_0-2	UU: 0.18 mg/kg RR: 0.81 mg/kg	UU: 36 RR: 22
Nickel	32.5 mg/kg in RIB05_10-12	96.5 mg/kg in RIB07_21-22	UU: 30 mg/kg RR: 310 mg/kg	UU: 9 RR: 0
Zinc	130 mg/kg in RIB07_21-22	1,090 mg/kg in RIB02_0-2	UU: 109 mg/kg RR: 10,000 mg/kg	UU: 22 RR: 0

1. Concentrations shown exceed the UU SCOs.

2. Concentrations in bold exceed the RR SCOs.

### PFAS (40-Compound list) and 1,4-Dioxane

The SVOC 1,4-dioxane was not detected in soil samples. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) concentrations are compared to the UU and RR Guidance Values (GV) published in the NYSDEC April 2023 "Sampling, Analysis and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs". PFOS and PFOA were not detected in soil above the UU NYSDEC GVs.

### Protection of Groundwater Evaluation

Compounds detected in soil, that were also present in groundwater at concentrations above the SGVs, were also compared to the Protection of Groundwater (PGW) SCOs. Table 4 includes soil analytical result comparisons to the PGW SCOs. The following table summarizes the applicable compounds detected above PGW SCOs:

Analyte	Minimum Detected Concentration above SCOs	Maximum Detected Concentration above SCOs	Protection of Groundwater SCOs	Number of Exceedances
<b>VOCs</b>				
Chloromethane	NE		NS	PGW: 0
<b>SVOCs</b>				
1,4-Dioxane (P-Dioxane)	NE		0.1 mg/kg	PGW: 0
Benzo(a)anthracene	1.1 mg/kg in RIB08_13-15	79.2 mg/kg in RIB09_0-2	1 mg/kg	PGW: 13
Benzo(a)pyrene	30.4 mg/kg in RIB11_0-2	78.1 mg/kg in RIB09_0-2	22 mg/kg	PGW: 3
Benzo(b)fluoranthene	1.97 mg/kg in RIB11_5-7	90.7 mg/kg in RIB09_0-2	1.7 mg/kg	PGW: 10
Benzo(k)fluoranthene	2.06 mg/kg in RIB06_0-2	25.6 mg/kg in RIB09_0-2	1.7 mg/kg	PGW: 7
Chrysene	1.14 mg/kg in RIB08_13-15	75.1 mg/kg in RIB09_0-2	1 mg/kg	PGW: 13
Indeno(1,2,3-cd)pyrene	18.3 mg/kg in RIB11_0-2	59 mg/kg in RIB09_0-2	8.2 mg/kg	PGW: 3
<b>Metals</b>				
Magnesium	NE		NS	PGW: 0
Manganese	NE		2,000 mg/kg	PGW: 0
Selenium	NE		3.9 mg/kg	PGW: 0
Sodium	NE		NS	PGW: 0
<b>PFAS</b>				
Perfluorooctanesulfonic Acid (PFOS)	NE		0.001 mg/kg	PGW: 0
Perfluorooctanoic Acid (PFOA)	NE		0.0008 mg/kg	PGW: 0

1. Compounds shown were detected in groundwater above the SGVs
2. Concentrations shown exceed the Part 375 Protection of Groundwater SCOs.
3. NE: No Exceedance
4. NS: No regulatory standard

## 5.4 Groundwater Findings

### 5.4.1 Field Observations

Monitoring wells were gauged with an oil/water interface probe to evaluate the presence of light or dense NAPL product; NAPL was not detected in monitoring wells. Odors were not apparent at any wells during purging or sampling. Monitoring well PID headspace readings ranged from 0.0 ppm to 349.2 ppm at RIMW01.

During the groundwater sampling in April 2024, groundwater depth ranged from 11.8 to 13.77 feet bgs and 4.44 feet below cellar grade. The regional groundwater table is relatively flat with a slight gradient to the west towards the Gowanus Canal.

### 5.4.2 Analytical Data

Seven groundwater samples were collected and analyzed for TCL VOCs, SVOCs, pesticides, herbicides, and PCBs, Part 375/TAL total and dissolved inorganics/metals, 1,4-dioxane (8270-SIM) and PFAS (1633). Groundwater sample analytical results with comparisons to the 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values (SGV) for Class GA water are presented in Table 5. Groundwater sample locations and results exceeding the SGVs are presented on Figure 8.

The following compounds were detected at concentrations exceeding the SGVs:

#### VOCs

Groundwater samples collected from the monitoring wells RIMW01 and RIMW02 contained concentrations of VOCs above the SGVs, as summarized in the following table.

Analyte	Minimum Detected Concentration above SGVs	Maximum Detected Concentration above SGVs	SGVs	Frequency of Detection above SGVs out of Total Detections
Acetone	97.3 µg/L in RIMW02_041924		50 µg/L	1 of 7
Chloromethane	20.5 µg/L in RIMW01_041924		5 µg/L	1 of 1

#### SVOCs

Groundwater samples collected from the monitoring wells RIMW01, RIMW02, and RIMW04 contained concentrations of SVOCs above the SGVs, as summarized in the following table.

Analyte	Minimum Detected Concentration above SGVs	Maximum Detected Concentration above SGVs	SGVs	Frequency of Detections above SGVs out of Total Detections
Benzo(a)anthracene	0.05 µg/L in RIMW01_041924	1.19 µg/L in RIMW02_041924	0.002 µg/L	3 of 3
Benzo(a)pyrene	1.44 µg/L in RIMW02_041924		0.002 µg/L	1 of 1
Benzo(b)fluoranthene	1.24 µg/L in RIMW02_041924		0.002 µg/L	1 of 1
Benzo(k)fluoranthene	1.65 µg/L in RIMW02_041924		0.002 µg/L	1 of 1
Chrysene	1.77 µg/L in RIMW02_041924		0.002 µg/L	1 of 1
Indeno(1,2,3-cd)pyrene	1.78 µg/L in RIMW02_041924		0.002 µg/L	1 of 1

1. µg/L = micrograms per liter.

#### Pesticides

Pesticides were not detected above the SGVs in any groundwater samples.

### Herbicides

Herbicides were not detected above the SGVs in any groundwater samples.

### PCBs

PCBs were not detected above the SGVs in any groundwater samples.

### Total Metals

All groundwater samples contained concentrations of at least one total metal (out of four detected) that exceeded the SGVs as summarized in the following table.

Analyte	Minimum Detected Concentration above SGVs	Maximum Detected Concentration above SGVs	SGVs	Frequency of Detection above SGVs out of Total Detections
Magnesium	42,600 µg/L in RIMW07_041924	84,300 µg/L in RIMW06_04182024	35,000 µg/L	6 of 7
Manganese	704 µg/L in RIMW02_041924	5,720 µg/L in RIMW06_04182024	300 µg/L	7 of 7
Selenium	14 µg/L in RIMW05_041924	57.5 µg/L in RIMW02_041924	10 µg/L	4 of 7
Sodium	340,000 µg/L in RIMW03_041824	1,670,000 µg/L in RIMW01_041924	20,000 µg/L	7 of 7

### Dissolved Metals

All groundwater samples contained concentrations of at least one dissolved metal (out of five detected) that exceeded the SGVs as summarized in the following table.

Analyte	Minimum Detected Concentration above SGVs	Maximum Detected Concentration above SGVs	SGVs	Frequency of Detection above SGVs out of Total Detections
Magnesium	46,900 µg/L in RIMW07_041924	88,200 µg/L in RIMW06_04182024	35,000 µg/L	6 of 7
Manganese	713 µg/L in RIMW02_041924	5,350 µg/L in RIMW06_04182024	300 µg/L	7 of 7
Selenium	10.2 µg/L in RIMW05_041924	51.4 µg/L in RIMW02_041924	10 µg/L	4 of 7
Sodium	391,000 µg/L in RIMW03_041824	1,250,000 µg/L in RIMW02_041924	20,000 µg/L	7 of 7

### PFAS (40-Compound List) and 1,4-Dioxane

All groundwater samples contained concentrations of PFOA above the SGVs. Groundwater samples collected from the monitoring wells RIMW05 and RIMW07 contained concentrations of

PFOS above the SGVs. Groundwater samples collected from each monitoring well except RIMW04 contained concentrations of 1,4-dioxane above the SGVs. PFOS, PFOA, and 1,4-dioxane concentrations above SGVs are summarized in the following table.

<b>Analyte</b>	<b>Minimum Detected Concentration above SGVs</b>	<b>Maximum Detected Concentration above SGVs</b>	<b>SGVs</b>	<b>Frequency of Detection above SGVs out of Total Detections</b>
Perfluorooctanesulfonic Acid (PFOS)	6.11 ng/L in RIMW07_041924	9.88 ng/L in RIMW01_072723	2.7 ng/L	2 of 4
Perfluorooctanoic Acid (PFOA)	18.5 ng/ in RIMW03_04182024	96.1 ng/L in RIMW06_04182024	6.7 ng/L	7 of 7
1,4-Dioxane	0.320 µg/L in RIMW07_072123	1.54 µg/L in RIMW05_041924	0.35 µg/L	6 of 6

1. ng/L = nanograms per liter.

## 5.5 Sub-Slab Vapor and Indoor Air Findings

Seven co-located sub-slab vapor and indoor air samples were collected and submitted for laboratory analysis for USEPA TO-15 VOCs and naphthalene. Indoor air samples were compared to the NYSDOH Air Guideline Values (AGVs). Sub-slab vapor and indoor air sample results together were evaluated using the latest NYSDOH SVI Guidance (February 2024). Sub-slab vapor and indoor air sample analytical results are summarized in Table 6 and shown on Figure 9. The laboratory analytical reports are provided in Appendix I.

VOCs detected in sub-slab vapor and indoor air samples include the following:

- 1,1,1-Trichloroethane
- 1,1-Dichloroethene
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- 2-Butanone
- 2-Hexanone
- 4-Methyl-2-pentanone
- Acetone
- Acrylonitrile
- Benzene
- Carbon disulfide
- Carbon tetrachloride
- Chloroethane
- Chloroform
- Chloromethane
- cis-1,2-Dichloroethene
- Cyclohexane
- Dichlorodifluoromethane
- Ethyl acetate
- Ethyl benzene
- Isopropanol
- Methylene chloride
- Naphthalene
- n-Heptane
- n-Hexane
- o-Xylene
- p- & m- Xylenes
- p-Ethyltoluene
- Propylene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Trichlorofluoromethane  
(Freon 11)
- Vinyl Chloride

No standard currently exists for soil vapor or sub-slab vapor in New York State. NYSDOH SVI Guidance includes six matrices that address 21 VOCs (TCE, PCE, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), carbon tetrachloride, methylene chloride, vinyl chloride, benzene, ethylbenzene, naphthalene, isooctane (2,2,4 – trimethylpentane), 1,2,4 – trimethylbenzene, 1,3,5 – trimethylbenzene, o – xylene, m – xylene, p – xylene, heptane, hexane, and toluene) and provide recommendations for actions such as monitoring or mitigation.

Sub-slab Vapor: VOCs that the NYSDOH Decision Matrices provides recommendations for in sub-slab vapor are summarized below. The number of detections in sub-slab vapor samples follow each VOC in parentheses:

Analyte	NYSDOH Decision Matrices Minimum Sub-Slab Concentrations	Minimum Detected Concentration	Maximum Detected Concentration
Carbon Tetrachloride (4)	6 µg/m <sup>3</sup>	0.33 µg/m <sup>3</sup> in SSV02_072123	5.4 µg/m <sup>3</sup> in SSV03_072123
Tetrachloroethene [PCE] (7)	100 µg/m <sup>3</sup>	37 µg/m <sup>3</sup> in SSV03_072123	13,000 µg/m <sup>3</sup> in SSV05_072123
Trichloroethene [TCE] (3)	6 µg/m <sup>3</sup>	1.3 µg/m <sup>3</sup> in SSV06_072123	61 µg/m <sup>3</sup> in SSV05_072123
cis-1,2-Dichloroethene [cis-1,2-DCE] (1)	6 µg/m <sup>3</sup>	10 µg/m <sup>3</sup> in SSV04_072123	
1,1-Dichloroethene [11-DCE] (1)	6 µg/m <sup>3</sup>	1 µg/m <sup>3</sup> in SSV04_072123	
1,1,1-Trichloroethane [1,1,1-TCA] (6)	100 µg/m <sup>3</sup>	2.2 µg/m <sup>3</sup> in SSV03_072123	22 µg/m <sup>3</sup> in SSV02_072123
Vinyl Chloride (1)	6 µg/m <sup>3</sup>	1.3 µg/m <sup>3</sup> in SSV04_072123	
Benzene (6)	60 µg/m <sup>3</sup>	2 µg/m <sup>3</sup> in SSV03_072123	8.2 µg/m <sup>3</sup> in SSV06_072123
Ethylbenzene (7)	60 µg/m <sup>3</sup>	12 µg/m <sup>3</sup> in SSV07_072123	27 µg/m <sup>3</sup> in SSV06_072123
Naphthalene (4)	60 µg/m <sup>3</sup>	3.1 µg/m <sup>3</sup> in SSV06_072123	4.9 µg/m <sup>3</sup> in SSV01_072123 and SSV02_072123
Cyclohexane (4)	60 µg/m <sup>3</sup>	1.1 µg/m <sup>3</sup> in SSV03_072123	11 µg/m <sup>3</sup> in SSV01_072123
1,2,4 – Trimethylbenzene (7)	60 µg/m <sup>3</sup>	29 µg/m <sup>3</sup> in SSV04_072123 and SSV05_072123	60 µg/m <sup>3</sup> in SSV03_072123
1,3,5 – Trimethylbenzene (7)	60 µg/m <sup>3</sup>	8.1 µg/m <sup>3</sup> in SSV05_072123	29 µg/m <sup>3</sup> in SSV03_072123
o – Xylene (7)	60 µg/m <sup>3</sup>	23 µg/m <sup>3</sup> in SSV07_072123	61 µg/m <sup>3</sup> in SSV03_072123
m & p -Xylene (7)	200 µg/m <sup>3</sup>	55 µg/m <sup>3</sup> in SSV07_072123	130 µg/m <sup>3</sup> in SSV03_072123 and SSV06_072123
Heptane (5)	200 µg/m <sup>3</sup>	5.7 µg/m <sup>3</sup> in SSV03_072123	24 µg/m <sup>3</sup> in SSV01_072123
Hexane (5)	200 µg/m <sup>3</sup>	2.6 µg/m <sup>3</sup> in SSV03_072123	9.7 µg/m <sup>3</sup> in SSV01_072123
Toluene (7)	300 µg/m <sup>3</sup>	23 µg/m <sup>3</sup> in SSV07_072123	75 µg/m <sup>3</sup> in SSV01_072123

Indoor Air: VOCs that the NYSDOH Decision Matrices provides recommendations for in indoor air are summarized below. The number of detections in indoor air samples follow each VOC in parentheses:

Analyte	NYSDOH Decision Matrices Minimum Indoor Air Concentrations	Minimum Detected Concentration	Maximum Detected Concentration
Carbon Tetrachloride (7)	0.2 µg/m <sup>3</sup>	0.25 µg/m <sup>3</sup> in IA04_072123 and IA06_072123	0.32 µg/m <sup>3</sup> in IA05_072123
Methylene Chloride (4)	3 µg/m <sup>3</sup>	0.57 µg/m <sup>3</sup> in IA02_072123	0.73 µg/m <sup>3</sup> in IA04_072123
Tetrachloroethene [PCE] (7)	3 µg/m <sup>3</sup>	1.1 µg/m <sup>3</sup> in IA03_072123	23 µg/m <sup>3</sup> in IA04_072123
Trichloroethene [TCE] (5)	0.2 µg/m <sup>3</sup>	0.53 µg/m <sup>3</sup> in IA06_072123	1.1 µg/m <sup>3</sup> in IA01_072123, IA03_072123, and IA05_072123
Benzene (7)	2 µg/m <sup>3</sup>	0.74 µg/m <sup>3</sup> in IA04_072123	1.5 µg/m <sup>3</sup> in IA05_072123 and IA06_072123
Ethylbenzene (7)	2 µg/m <sup>3</sup>	0.79 µg/m <sup>3</sup> in IA04_072123	2.3 µg/m <sup>3</sup> in IA05_072123
Naphthalene (6)	2 µg/m <sup>3</sup>	3.9 µg/m <sup>3</sup> in IA07_072123	5.1 µg/m <sup>3</sup> in IA02_072123
Cyclohexane (6)	2 µg/m <sup>3</sup>	0.45 µg/m <sup>3</sup> in IA03_072123	1.5 µg/m <sup>3</sup> in IA05_072123
1,2,4 – Trimethylbenzene (7)	2 µg/m <sup>3</sup>	0.91 µg/m <sup>3</sup> in IA03_072123	1.8 µg/m <sup>3</sup> in IA05_072123
1,3,5 – Trimethylbenzene (1)	2 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup> in IA05_072123	
o – Xylene (7)	2 µg/m <sup>3</sup>	0.92 µg/m <sup>3</sup> in IA04_072123	2.9 µg/m <sup>3</sup> in IA05_072123
m & p -Xylene (7)	6 µg/m <sup>3</sup>	2.8 µg/m <sup>3</sup> in IA04_072123	8.1 µg/m <sup>3</sup> in IA05_072123
Heptane (6)	6 µg/m <sup>3</sup>	1.1 µg/m <sup>3</sup> in IA03_072123	2.5 µg/m <sup>3</sup> in IA05_072123
Hexane (7)	6 µg/m <sup>3</sup>	0.82 µg/m <sup>3</sup> in IA04_072123	5.4 µg/m <sup>3</sup> in IA05_072123
Toluene (7)	10 µg/m <sup>3</sup>	4.4 µg/m <sup>3</sup> in IA04_072123	8.9 µg/m <sup>3</sup> in IA07_072123

When comparing the maximum concentrations of PCE and TCE to the Decision Matrices, the NYSDOH recommended action is “mitigate”. Carbon tetrachloride, cis-1,2-DCE, 1,1,1-TCA, methylene chloride, 1,1-dichloroethene (11-DCE), and vinyl chloride were not detected at concentrations that would warrant further action.

Benzene concentrations in sub-slab vapor ranged from 2  $\mu\text{g}/\text{m}^3$  in SSV03\_072123 to 8.2  $\mu\text{g}/\text{m}^3$  in SSV06\_072123; concentrations in indoor air ranged from 0.74  $\mu\text{g}/\text{m}^3$  in IA04\_072123 to 1.5  $\mu\text{g}/\text{m}^3$  in IA05\_072123 and IA06\_072123. Naphthalene concentrations in sub-slab vapor ranged from 3.1  $\mu\text{g}/\text{m}^3$  in SSV06\_072123 to 4.9  $\mu\text{g}/\text{m}^3$  in SSV01\_072123 and SSV02\_072123; concentrations in indoor air ranged from 3.9  $\mu\text{g}/\text{m}^3$  in IA07\_072123 to 5.1  $\mu\text{g}/\text{m}^3$  in IA02\_072123. O - xylene concentrations in sub-slab vapor ranged from 23  $\mu\text{g}/\text{m}^3$  in SSV07\_072123 to 61  $\mu\text{g}/\text{m}^3$  in SSV03\_072123; concentrations in indoor air ranged from 0.92  $\mu\text{g}/\text{m}^3$  in IA04\_072123 to 2.9  $\mu\text{g}/\text{m}^3$  in IA05\_072123.

When comparing the maximum concentrations of naphthalene and benzene to the Decision Matrices, the NYSDOH recommended action is "identify source(s) or resample or mitigate". When comparing the maximum concentrations of o - xylene to the Decision Matrices, the NYSDOH recommended action is "monitor". Ethylbenzene, 1,2,4 - Trimethylbenzene, 1,3,5 - Trimethylbenzene, m & p - xylene, heptane, hexane and toluene were not detected at concentrations that would warrant further action.

## 5.6 Quality Control Results

Duplicates, MS/MSDs, field blanks, PFAS blanks, and trip blanks were collected during the RI are detailed in Table 1. The duplicates, field blanks, and MS/MSD sample pairs for soil and groundwater were collected at a frequency of 1 per 20 primary samples (and one per media, per day for PFAS samples), in accordance with the approved RIWP. QA/QC sample results were evaluated as part of data validation and are provided in Table 7.

## 5.7 Data Usability

Category B laboratory reports for soil, groundwater, sub-slab vapor, and indoor air samples collected during the August 2021 LSI and the 2023 RI were provided by York Analytical, Inc. (YORK), a NYSDOH ELAP-certified laboratory located in Stratford, CT and Richmond Hill, NY, and were forwarded to Langan's data validator. Data Usability Summary Report (DUSRs) are provided in Appendix H. The results of the data validation review are summarized below.

The data were determined to be acceptable. Completeness, defined as the percentage of analytical results that are judged to be valid, is 100 percent. No major deficiencies were identified. All data is considered useable as qualified.

## 5.8 Evaluation of Potential Areas of Concern

This section discusses the results of the RI with respect to the three potential AOCs described in detail in Section 3.4. AOC extents have been revised based on findings during the remedial investigation. AOC locations are shown on Figure 5.

### 5.8.1 AOC 1: 550-gallon Gasoline UST

Releases of petroleum products associated with an identified 550-gallon gasoline UST in the east-central part of the site may have adversely affected soil, groundwater and/or sub-slab vapor. A summary of the findings for AOC 1 is provided below:

#### *AOC 1 - Soil*

- Soil borings RIB01, RIB01\_W, RIB01\_NE, RIB01\_SE, RIB02, and RIB03 were advanced within or adjacent to AOC 1 to evaluate and delineate petroleum impacts. Petroleum-like staining, odors, and/or elevated PID readings were encountered in two borings (RIB01 and RIB01\_W) in the northeastern part of the site. Gasoline-like odor, matte-black staining, and PID readings up to 555.3 ppm were observed in soil boring RIB01 between 10 and 13.5 feet bgs. Gasoline-like odor and a maximum PID reading of 21.7 ppm were observed in the western delineation boring RIB01\_W between 15 and 16 feet bgs. RIB01\_NE and RIB01\_SE were also advanced to provide visual delineation of petroleum-like impacts. Borings could not be advanced in the northeast direction because that corner of the building was inaccessible at the time of the investigation. The horizontal and vertical extents of petroleum-like impacts were delineated to the north, south, and west by soil borings RIB01\_NE, RIB01\_SE, and RIB04, where petroleum-like impacts were not observed. Petroleum-related VOCs at the impacted sample intervals were below RR SCOs and appear to represent impacts that have exhibited degradation. The petroleum-related impacts are considered localized to the area around the 550-gallon tank and will be removed during redevelopment.
- One or more of three petroleum-related VOCs (n-butylbenzene, n-propylbenzene, and sec-butylbenzene) were detected above the UU SCOs in samples collected from depths ranging from 10.5 to 13.5 feet bgs in soil borings RIB01 and RIB03.

#### *AOC 1 - Groundwater*

- One petroleum-related VOC (chloromethane) was detected above the SGVs in the groundwater sample from monitoring well RIMW01.

#### *AOC 1 – Sub-slab Vapor*

- Several petroleum-related VOCs were detected in sub-slab vapor; however, these compounds do not have corresponding NYSDOH matrix values for comparison.
- Total BTEX in sub-slab vapor ranged from 268  $\mu\text{g}/\text{m}^3$  in SSV02 to 275.4  $\mu\text{g}/\text{m}^3$  in SSV01

#### *AOC 1 - Conclusions*

Petroleum-related impacts appear limited to the northeastern part of the site. The observed impacts to soil extend from about 10 to 16 feet bgs, which is consistent with the top of groundwater depth interval. Petroleum-related VOCs in soil exceed UU SCOs in samples

collected from 10.5 to 13.5 feet bgs in soil borings within the area of concern (RIB01 and RIB03). VOCs in groundwater exceeded SGVs for one well (RIMW01) within AOC 1. Sub-slab vapor samples contained several petroleum-related VOCs, which do not have relevant comparison criteria. The source of petroleum-related impacts appears to be associated with the 550-gallon gasoline UST. Based on the concentrations of petroleum-related VOCs detected below RR SCOs in RIB01 and the lack of impacts at RIB01\_NE and RIB01\_SE, the petroleum-related impacts are considered localized to the area around the 550-gallon UST; the tank and impacted soil will be removed during remediation/redevelopment.

### 5.9.2 AOC 2: Auto Parts Cleaning Area

Releases of VOCs, specifically chlorinated solvents associated with the historical site use as an auto-repair and cleaning facility since at least 1983, may have adversely affected soil, groundwater and/or sub-slab vapor. A summary of the findings for AOC 2 is provided below:

#### *AOC 2 - Soil*

- Soil borings RIB07, RIB08, RIB09, and RIB10 were advanced within or adjacent to AOC 2 to evaluate potential impacts.
- VOCs were not detected above UU in samples collected from soil borings RIB07, RIB08, RIB09, and RIB10, with the exception of acetone, which is a common laboratory contaminant and was detected in at least one trip blank.

#### *AOC 2 - Groundwater*

- Groundwater samples collected within or adjacent to AOC 2 include samples collected from RIMW04 and RIMW05.
- 1,4-dioxane was detected at concentrations above the SGVs in the groundwater sample collected from RIMW05.

#### *AOC 2 – Sub-slab Vapor*

- PCE was detected at 2,700  $\mu\text{g}/\text{m}^3$  in SSV04 and 23  $\mu\text{g}/\text{m}^3$  in co-located indoor air sample IA04. PCE was detected at concentrations of 13,000  $\mu\text{g}/\text{m}^3$  in SSV05 and 3  $\mu\text{g}/\text{m}^3$  in co-located indoor air sample IA05.
- TCE was detected at 35  $\mu\text{g}/\text{m}^3$  in SSV04 and 1.1  $\mu\text{g}/\text{m}^3$  in co-located indoor air sample IA04. TCE was detected at concentrations of 61  $\mu\text{g}/\text{m}^3$  in SSV05 and 1.1  $\mu\text{g}/\text{m}^3$  in co-located indoor air sample IA05.
- A comparison of the maximum concentrations compared to the NYSDOH Decision Matrices recommends “Mitigate”.

### AOC 2 Conclusions

Chlorinated VOCs were detected in sub-slab vapor samples at concentrations requiring mitigation in future development where the foundation is above the groundwater table. A source of chlorinated VOCs was not identified in soil or groundwater. Acetone was detected in soil, groundwater and sub-slab vapor throughout the site. The concentrations are likely associated with laboratory contamination. Vapor mitigation options will be considered for incorporation into the new development.

### 5.8.2 AOC 3: Historical Site Operations

AOC 3 is related to site-wide historical operations, including “laundry”, bottle cleaning & storage facility, auto-repair facility, and garage. The site is located in the Gowanus neighborhood of Brooklyn and in an area of historical industrial operations. Undocumented spills or releases of solvents, petroleum, chemicals, and/or other hazardous substances associated with historical site operations may have adversely affected soil, groundwater, and/or soil vapor beneath the site. A summary of the analytical results related to historical site operations is summarized as follows:

#### *AOC 3 – Soil*

- One or more of three VOCs (acetone, n-butylbenzene, and n-propylbenzene) were detected above the UU SCOs in samples collected from soil borings RIB01 through RIB12. Acetone is a common laboratory artifact that was detected in trip and laboratory batch blanks and may not be associated with historical site use.
- One or more of 11 SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, dibenzofuran, fluoranthene, indeno[1,2,3-cd]pyrene, phenanthrene, and pyrene), were detected at concentrations exceeding the UU and/or RR SCOs in samples from soil borings RIB01, RIB02, RIB03, RIB04, RIB05, RIB06, RIB08, RIB09, and RIB11 collected at depths from surface grade to 16 feet bgs.
- Metals, including arsenic, barium, cadmium, trivalent chromium, copper, lead, mercury, nickel, and zinc were detected at concentrations exceeding the UU and/or RR SCOs in 38 samples, including 2 duplicates, from soil borings RIB01 through RIB12 collected at depths from surface grade to 27.5 feet bgs.
- PFOS and PFOA were not detected above UU GVs in soil samples collected during the RI.

#### *AOC 3 – Groundwater*

- VOCs in groundwater above SGVs were limited to RIMW01 and are attributed to petroleum-related impacts (AOC 1).
- Up to six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were detected at

concentrations above SGVs in samples collected from monitoring wells RIMW01, RIMW02, and RIMW04. The source of SVOCs in groundwater is expected to be SVOC-impacted soil, in which similar contaminants were detected.

- One or more of four total metals (magnesium, manganese, selenium, and sodium) and four dissolved metals (magnesium, manganese, selenium, and sodium) were detected in all seven monitoring wells (RIMW01 through RIMW07) at concentrations above the SGVs. Magnesium, manganese, selenium and sodium are typically found in brackish groundwater; therefore, these compounds are not considered a result of historical site uses.
- PFOS was detected in groundwater samples above the SGV in monitoring wells RIMW05 and RIMW07 at concentrations from 6.11 ng/L to 9.88 ng/L. PFOA was detected in groundwater samples above the SGV in each monitoring wells RIMW01 through RIMW07 at concentrations from 18.5 ng/L to 96.1 ng/L. 1,4-dioxane was detected in groundwater samples above the SGV in each monitoring well except RIMW04 at concentrations from 0.32 µg/L to 1.54 µg/L. A source of these contaminants was not identified in soil.

#### *AOC 3 – Sub-slab Vapor*

- AOC 3 is a site-wide area, so all RI sub-slab vapor samples were evaluated.
- Up to seven VOCs that are evaluated in the NYSDOH Decision Matrices (carbon tetrachloride, PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, and vinyl chloride) were detected in sub-slab vapor samples SSV01 through SSV07.
- PCE was detected in all seven sub-slab vapor samples, at concentrations ranging from 37 µg/m<sup>3</sup> in SSV03 to 13,000 µg/m<sup>3</sup> in SSV05. PCE concentrations were greatest in sub-slab vapor samples collected from SSV05, and impacts at this location are attributed to AOC 2.
- A comparison of the maximum concentrations of VOCs that are evaluated in the NYSDOH Decision Matrices results in a NYSDOH recommendation for “mitigate.”
- Carbon tetrachloride, methylene chloride, 1,1-DCE, and vinyl chloride were not detected above the NYSDOH Decision Matrices minimum concentrations in sub-slab vapor or indoor air samples.

#### *AOC 3 Conclusions*

VOCs, SVOCs, and metals were detected at concentrations above the UU and/or RR SCOs in soil samples collected across the site. VOCs in soil are concentrated in the northeastern part of the site and are associated with petroleum-related impacts (AOC 1). Acetone was also detected in soil and groundwater, but its presence is believed to be related to laboratory contamination because of the low-level concentrations and its presence in QA/QC blank samples. SVOCs above

UU and RRU SCOs are distributed across the site and may be attributed to historical site uses or anthropogenic materials comingled in soil.

SVOCs detected in groundwater samples at concentrations above NYSDEC SGVs are attributed to contaminants that exceeded PGW SCOs in soil. Magnesium, manganese, selenium, and sodium are naturally occurring metals in groundwater likely associated with brackish conditions and are typical of groundwater encountered in New York City.

PFOA and PFOS were identified in groundwater samples site-wide above the SGVs; however, these compounds were not detected in soil at concentrations that would suggest an on-site source was present.

A site source of chlorinated VOCs in sub-slab vapor were not identified; however, accidental releases of CVOCs may have occurred during historical automobile repairs and parts cleaning operations.

## **6.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT**

Human health exposure risk was evaluated for both current and future on-site and off-site conditions, in accordance with NYSDEC DER-10. The assessment includes an evaluation of potential sources and migration pathways of site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

In addition to the human health exposure assessment, NYSDEC DER-10 requires an on-site and off-site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. According to the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, there was no need to prepare an FWRIA for the site. A completed form of DER-10 Appendix 3C is included in Appendix J.

### **6.1 Current Conditions**

The site (Brooklyn Tax Block 426) is bordered by Degraw Street to the north, 3<sup>rd</sup> Avenue to the east, Sackett Street to the south, and Nevins Street to the west in the Gowanus neighborhood of Brooklyn. The Gowanus neighborhood has a history of diverse industrial uses with known area-wide environmental impacts to subsurface conditions. The site contains a one-story building with a partial cellar and was last occupied by A&A Brake Services Company Inc. (an automobile repair shop) and Mack Truck Parts (an automobile parts retailer).

### **6.2 Proposed Conditions**

The current development proposes a new 11-story mixed-use residential and commercial building, with a partial cellar. The cellar will be used for building utilities (i.e., mechanical, electrical, plumbing). The ground floor will contain an outdoor recreational space, fitness room, indoor recreational room, lobby, and commercial spaces. Floors 2 through 11 will contain

residential units. The development will designate 25% of the residential units for affordable housing. The fourth floor will have a setback green roof and outdoor terrace in the southern part of the building footprint. The proposed building will generate electricity through photovoltaic arrays and will be connected to the Consolidates Edison's distribution system.

### **6.3 Summary of Environmental Conditions**

AOCs include a 550-gallon gasoline UST, an auto parts cleaning area, and site-wide historical operations. Contaminants of concern (COC) associated with the AOCs include VOCs, SVOCs, and metals.

The following contaminants of concern (COCs) were identified:

- VOCs, SVOCs, and metals in soil
- VOCs, SVOCs, and metals in groundwater
- CVOCs and petroleum-related VOCs in sub-slab vapor

#### *Petroleum-impacted Soil*

Visible petroleum impacts in soil are present within the northeastern part of the site. Three petroleum-related VOCs were detected above the UU SCOs in samples collected at or below the groundwater table from the uncontrolled fill within AOC 1. Four petroleum-related VOCs (including isopropylbenzene, n-butylbenzene, n-propylbenzene, and sec-butylbenzene) were detected above the SGVs in the groundwater sample from the monitoring well within the impacted area. Petroleum-related VOCs in soil, groundwater, and sub-slab vapor are attributed to the 550-gallon gasoline UST.

#### *Soil Impacted with VOCs, SVOCs, and Metals*

Several SVOCs (primarily PAHs) and metals were detected at concentrations above the Part 375 UU SCOs and/or RR SCOs in samples collected throughout the site. Concentrations of SVOCs and metals are associated with historical site use and/or anthropogenic materials identified within the top 10 to 25 feet of soil. The VOC acetone was detected in soil throughout the site and is suspected to be associated with laboratory contamination.

Benzene was identified marginally above the UU SCOs in one soil sample collected from 95 to 97 feet bgs in boring RIB05\_D. Benzene was not detected in the sample from the same boring

at 100 to 102 feet bgs. There is a known off-site source of benzene (Former Fulton MGP site) at this depth.

### Groundwater

#### *Petroleum-impacted Groundwater*

Petroleum-related VOCs were detected in groundwater at concentrations above the SGVs in RIMW01, located in the northeastern part of the site. The observed petroleum-related impacts are attributed to residual contamination associated with a historical release from a suspected 550-gallon gasoline tank.

#### *Groundwater-Impacted with PAHs, Metals, and PFAS*

Six PAHs and four metals were detected in groundwater throughout the site at concentrations above SGVs. The source of these contaminants in groundwater at concentrations above the SGVs is where similar contaminants in soil were also detected, or naturally occurring groundwater conditions. Soil exceeding the lower of PGW and RRU SCOs will be removed as part of future site development.

PFOA and/or PFOS were detected in groundwater samples above the NYSDEC SGVs in all seven monitoring wells that were sampled. No historical use consistent with PFAS was identified at the site; therefore, its presence is attributed to an off-site source.

### Sub-slab Vapor

#### *CVOCs in Sub-slab Vapor*

CVOCs, specifically TCE and PCE, were detected in sub-slab vapor at concentrations that warrant mitigation; however, a source of these CVOCs was not identified in site soil groundwater. CVOCs in sub-slab vapor were at their highest concentrations near the western perimeter of the site, within the vicinity of the historical parts cleaning area (AOC-2).

## **6.4 Conceptual Site Model**

A conceptual site model (CSM) was developed based on the findings of the RI to produce a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways.

### 6.4.1 Potential Sources of Contamination

Potential sources of contamination (also discussed in Section 5.8) include:

- Historical releases from a 550-gallon gasoline UST and historical site operations (VOCs in soil and groundwater)
- Chlorinated solvents associated with the historical site use for auto-repair (i.e., parts cleaning) (CVOCs in sub-slab vapor)

- Contaminated soil from historical site operations and/or anthropogenic materials identified in soil (VOCs, SVOCs, and metals in soil and SVOCs and metals in groundwater)

#### 6.4.2 Exposure Media

The impacted media include soil, groundwater, and sub-slab vapor, which may have been impacted by former site operations and/or anthropogenic material in soil. Petroleum impacts were observed in two soil borings in the northeastern part of the site. Gasoline-like odor, matte-black staining, and PID readings up to 555.3 ppm were apparent in soil boring RIB01 between 10 and 13.5 feet bgs. Gasoline-like odor and a maximum PID reading of 21.7 ppm were observed in RIB01\_W between 15 and 16 feet bgs. Petroleum-related VOCs were detected in soil above UU SCOs and in groundwater above SGVs in the impacted area.

Analytical data also shows that soil contains SVOCs and metals above RR and/or UU SCOs. The SVOCs and metals may be associated with historical site use and/or anthropogenic material in soil (e.g., concrete, brick, coal, coal ash, ceramics, and glass) that may have been placed during historical site development. Groundwater impacts include VOCs, SVOCs and metals. Groundwater is not a potable source of water. CVOs (specifically PCE and TCE) are present in sub-slab vapor at concentrations requiring mitigation in future development. A maximum concentration of 13,000  $\mu\text{g}/\text{m}^3$  was detected in sub-slab vapor at SSV05 in the southwestern part of the site near the former auto parts cleaning area (AOC-2). A review of soil, sub-slab vapor, and groundwater data is provided in Section 7.0 (Nature and Extent of Contamination).

#### 6.4.3 Receptor Populations

The site is improved with a vacant one-story building with a partial cellar. Current receptor populations are limited to visitors of the site during investigation and abatement activities. During site development, human receptors may include demolition, construction, and remediation workers, authorized guests visiting the site, and the public adjacent to the site. Under future conditions, receptors will include the residential and commercial use occupants, employees, and the nearby community, including children.

### **6.5 Potential Exposure Pathways – On-Site**

#### 6.5.1 Current Conditions

Human exposure to contaminated soil is prevented by the foundation of the one-story building covering the site. Site access is restricted by locked doorways; therefore, human exposure to contaminated soil is limited. There is a potential pathway through dermal absorption, inhalation and ingestion for investigation workers that handle soil beneath the surface cover materials, but this is controlled by implementation of a site-specific Health and Safety Plan (HASP).

Groundwater in this area of New York City is not used as a potable water source. There is a potential exposure pathway during groundwater sampling associated with site investigation. The

potential pathway for site investigation workers is through dermal absorption and ingestion, but is controlled by implementation of a site-specific HASP.

Sub-slab vapor contains VOCs at concentrations that warrant vapor mitigation; however, any potential exposure to soil vapor is limited as the one-story building contains a concrete building slab and the roof has been partially removed, allowing ventilation with the outside air.

#### 6.5.2 Construction/Remediation Conditions

Construction and remediation may result in potential exposures to site contaminants in the absence of a HASP and a Community Air Monitoring Plan (CAMP). Construction and remedial activities will likely include excavation and off-site disposal of impacted soil, and construction of foundation elements and paved walkways. In the absence of a HASP and CAMP, this scenario presents the potential for exposure of soil contaminants to construction and remediation workers via dermal absorption, ingestion, and inhalation of vapors and particulate matter. This exposure pathway will be marginalized through the implementation of the HASP, CAMP, and vapor and dust suppression techniques.

#### 6.5.3 Proposed Future Conditions

Currently, the contemplated project includes a mixed-use affordable residential and commercial development. The site is anticipated to undergo a Track 4 cleanup and new development will incorporate a cover system across the site and an active vapor mitigation system.

There is no pathway for ingesting residual groundwater impacts, since the site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater. The potential pathway for soil vapor intrusion into the future on-site building would be mitigated by installation of a waterproofing/vapor barrier membrane and sub-membrane depressurization system.

If necessary, institutional controls will require maintenance of engineering controls and will serve to further mitigate exposure under future conditions.

### **6.6 Potential Exposure Pathways – Off-Site**

In its current condition, there is minimal potential for off-site exposure to site contaminants because the site has been made inaccessible to the public using locked doors and is covered with an impermeable surface. During remediation, in the absence of a CAMP and HASP, soil has the potential to be transported off-site by wind in the form of dust or on the tires of vehicles or equipment leaving the site during ground disturbances. Off-site transport creates a potential exposure pathway to the community adjacent to the site.

The potential off-site migration of soil contaminants is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- The site is located in an urban area and predominantly covered with continuous impervious surface covering.
- During site remediation and construction, the following protective measures will be implemented:
  - A site-specific HASP, including a CAMP, will be implemented to protect on-site personnel and to monitor the perimeter of the site to mitigate off-site migration of particulates and VOCs during construction.
  - Perimeter air monitoring will be conducted for particulates (dust) and VOCs during ground-intrusive work as part of a CAMP. Dust and/or vapor suppression techniques will be employed to limit the potential for off-site migration of soil and vapors.
  - Vehicle tires and undercarriages will be washed as necessary prior to leaving the site to prevent tracking material off-site.
  - A soil erosion/sediment control plan will be implemented during construction to control off-site migration of soil.
- The new building foundations and pavers will cover the entirety of the site footprint.
- There is no pathway for ingesting residual groundwater impacts, as the site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater.

## **6.7 Evaluation of Human Health Exposure**

Based on the CSM and review of environmental data, complete on-site exposure pathways appear to be present, in the absence of monitoring and mitigation or engineering controls in construction/remediation and future use conditions.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the site is provided below.

### 6.7.1 Current Conditions

Contaminant sources include varying concentrations of VOCs and SVOCs, pesticides, and metals in soil and/or groundwater and petroleum- and CVOC-impacted sub-slab vapor.

Contaminant release and transport mechanisms include contaminated soil transported as dust (dermal, ingestion, inhalation), and existing soil vapor contaminants (inhalation). Under current conditions, the likelihood of human exposure is limited, as 1) site access is restricted to employees, ownership and authorized visitors; 2) impermeable concrete building slabs cover the site; and 3) the groundwater beneath the site is not a source of drinking water.

#### 6.7.2 Construction/Remediation Activities

During the excavation and foundation construction, points of exposure include disturbed and exposed soil and groundwater during excavation and possible dewatering, and dust and potential organic vapors generated during excavation. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of potential organic vapors arising from contaminated groundwater and soil, and inhalation of dust originating from contaminated soil. The receptor population includes construction and remediation workers, and to a lesser extent, the community adjacent to the site.

The potential for completed exposure pathways is present since all five elements exist; however, the risk can be avoided or minimized by applying appropriate health and safety measures during construction and remediation, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, cleaning truck undercarriages and securing tarp covers before they leave the site to prevent off-site soil tracking, maintaining site security, and wearing the appropriate personal protective equipment (PPE).

A HASP, a RAWP, and a CAMP that include measures such as conducting a community air-monitoring program, donning PPE, covering soil stockpiles, altering work sequencing, restricting eating and drinking on-site, maintaining a secure construction entrance, proper housekeeping, and applying vapor and dust suppression measures to prevent off-site migration of vapors and particulates during construction will be implemented. Such measures will prevent completion of exposure pathways for soil, groundwater, and soil vapor contaminants.

#### 6.7.3 Proposed Future Conditions

For the proposed future conditions a Track 4 cleanup is anticipated. Residual contaminants may remain on-site and would include those listed under current conditions. If institutional and/or engineering controls are not implemented, points of exposure include potential cracks in the foundation or slab of the proposed development, and exposure during any future soil-disturbing activities. The receptor population includes potential building tenants and/or employees, visitors and maintenance workers. The possible routes of exposure can be avoided or mitigated by the installation of engineering controls, such as a site capping system and vapor mitigation system, and the implementation of institutional controls, such as restrictions on groundwater and land use and execution of a Site Management Plan (SMP).

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#### 6.7.4 Human Health Exposure Assessment Conclusions

1. Under current conditions, there is a marginal risk for exposure. The primary exposure pathways are dermal contact, ingestion and inhalation of soil, dust, or groundwater by authorized site visitors in instances where the impermeable site cover is compromised or during site investigation. The exposure risks can be avoided or minimized by following the appropriate HASP and vapor and dust suppression measures, and by implementing a CAMP during intrusive activities.
2. In the absence of engineering controls, there is a potential for exposure during the construction and remediation activities. The primary exposure pathways are:
  - a. Dermal contact, ingestion and inhalation of contaminated soil, groundwater or soil vapor by construction workers.
  - b. Dermal contact, ingestion and inhalation of soil (dust) by the community in the vicinity of the site.

These can be avoided or minimized by performing community air monitoring and by following the appropriate health and safety, dust suppression, and site security measures outlined in a site-specific HASP.

3. The existence of a complete exposure pathway for site contaminants to human receptors during the proposed future use condition is unlikely, as most contaminated soil will be excavated and transported to an off-site disposal facility, groundwater will be remediated, and residual contaminated media may be capped with an impermeable cover, depending on remedial track. Regional groundwater is not used as a potable water source in NYC. The potential pathway for soil vapor intrusion into the future on-site building would be addressed by installation of a waterproof vapor barrier and sub-membrane depressurization system, which would minimize soil vapor infiltration.
4. It is possible that a complete exposure pathway exists for the migration of site contaminants to off-site human receptors during current, construction-phase, and future conditions. Monitoring and control measures have been and will continue to be used during remediation/construction to prevent completion of this pathway. Under future conditions, the site will be remediated, and engineering and institutional controls will be implemented, if necessary, to prevent completion of this pathway.

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## **7.0 NATURE AND EXTENT OF CONTAMINATION**

This section evaluates the nature and extent of soil, groundwater and sub-slab vapor contamination. The nature and extent of the contamination is derived from a combination of field observations and analytical data that were discussed in Section 5.0.

### **7.1 Soil Contamination**

Soil impacted with VOCs, SVOCs, and metals attributed to historical site use was encountered up to about 25 feet bgs.

Petroleum-like staining, odors, and/or PID readings above background were encountered in soil borings located in the northeastern part of the site to depths of about 16 feet bgs. The horizontal and vertical extents of petroleum-like impacts were delineated by soil borings RIB01\_NE, RIB01\_SE, and RIB04, in which no petroleum-like impacts were observed. Petroleum-related VOCs exceeded UU SCOs but did not exceed RR SCOs within the impacted area.

Residual coal tar-like impacts, evidenced by odors, staining, and PID readings above background were apparent in one deep boring (RIB05\_D) in the northwestern part of the site. Faint naphthalene-like odors and a maximum PID reading of 55.3 ppm were observed between 93 and 100 feet bgs. Dark gray staining was observed in RIB05\_D between 93 to 93.5 feet bgs. Sheen, coating, blebs, saturation, oil, tar, or solid tar were not identified. Based on these observations and coordination in the field with NYSDEC and their consultant representative, further delineation was not warranted.

SVOCs and metals, including arsenic, lead, mercury, barium, copper, nickel, and zinc, were detected at concentrations above the UU and/or RR SCOs across the site. UU and RR exceedances were encountered to depths of about 16 feet bgs for SVOCs and 27.5 feet bgs for metals.

### **7.2 Groundwater Contamination**

Groundwater analytical results identified VOCs, SVOCs, metals, and PFAS above the SGVs. Some PAHs detected in soil were also identified in groundwater at concentrations above SGVs. One VOC (chloromethane) was detected in one monitoring well (RIMW01), in the same location where similar petroleum impacts were identified in soil. Six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were detected above SGVs in RIMW01, RIMW02, and RIMW04. The source of SVOCs in groundwater is the overlying SVOC-impacted soil. Metals, including magnesium, manganese, selenium, and sodium were also detected across the site. PFOA and PFOS, and 1,4-dioxane were detected in groundwater samples site-wide above the SGVs, but were not

identified in soil above the UU guidance value. PFOA, PFOS, and 1,4-dioxane concentrations were not indicative of an on-site source or release.

### **7.3 Sub-slab Vapor Contamination**

CVOCs (specifically PCE and TCE) were detected in sub-slab vapor at three locations (SSV04, SSV05, and SSV07) at concentrations that warrant mitigation in future development.

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## 8.0 CONCLUSIONS

1. Stratigraphy: Site stratigraphy consists of an uncontrolled fill layer, primarily consisting of tannish brown to dark brown and grayish brown, fine-grained sand with varying amounts of silt, fine gravel, concrete, brick, coal, coal ash, ceramics, and glass, that extends to between 10 and 25 feet bgs. The fill layer is underlain by undisturbed soil that predominantly consists of tannish brown to grayish brown fine sand with trace fine gravel and trace to some clay or silt, followed by brown, dark brown, or gray to dark gray high plasticity clay with varying amounts of fibrous vegetation. In some soil borings, clay was observed directly below the uncontrolled fill. Bedrock was not encountered during the subsurface investigation.
2. Hydrogeology: During the groundwater sampling in April 2024, groundwater depth ranged from 11.8 to 13.77 feet bgs and 4.44 feet below cellar grade and generally flows west. The regional groundwater table is relatively flat with a slight gradient to the west towards the Gowanus Canal. Dewatering activities at neighboring construction sites may also be influencing groundwater elevations and flow direction.
3. Petroleum- and Gasoline-Impacted Fill/Soil and Groundwater: Petroleum- or gasoline-like staining, odors, and/or PID readings above background were encountered in soil borings located in the northeastern part of the site. Petroleum-related VOCs were detected in soil above UU SCOs and in groundwater above SGVs in the impacted area. The source of petroleum-related impacts is likely from a historical release associated with the suspect 550-gallon gasoline UST. Impacts in this area are defined and do not appear to be migrating.
4. Groundwater: VOCs, SVOCs, metals, 1,4-dioxane and PFAS were detected in groundwater at concentrations above the SGVs. Some PAHs detected in soil were also identified in groundwater at concentrations above SGVs. One VOC (chloromethane) was detected in one monitoring well (RIMW01), which is in the same area as the soil samples that exhibited the highest degree of petroleum- or gasoline-related impacts. Six petroleum-related SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene) were detected above SGVs in RIMW01, RIMW02, and RIMW04. Metals, including, magnesium, manganese, selenium, and sodium were also detected across the site but are naturally occurring in brackish water and present in groundwater throughout New York City. PFOA and PFOS, and 1,4-dioxane were detected in site-wide groundwater above the SGVs, but were not identified in soil above the UU guidance value. The detected PFOA, PFOS, and 1,4-dioxane concentrations were not indicative of an on-site source or release.

5. Soil Vapor: CVOCs were detected in sub-slab vapor at concentrations requiring mitigation in future development where the foundation is above groundwater. An on-site source of CVOCs in soil vapor was not identified.
6. Sufficient data were gathered during the RI to establish site-specific soil cleanup levels and to develop a remedy for the site. The remedy will be described and evaluated in the RAWP prepared in accordance with New York State BCP guidelines. The remedy will address impacts to soil, groundwater, and soil vapor described in this RIR.

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## 9.0 REFERENCES

1. Limited Subsurface Investigation Letter Report for 224 3<sup>rd</sup> Avenue, dated January 9, 2023, prepared by Langan
2. New York State Department of Health, Final Guidance for the Evaluation of Soil Vapor Intrusion in the State of New York, dated October 2006, revised May 2017
3. New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft Brownfield Cleanup Program Guide, dated May 2004
4. New York State Department of Environmental Conservation, DER-10 Technical Guidance for Site Investigation and Remediation, issued May 3, 2010; effective June 18, 2010
5. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998, revised February 2023.
6. United States Environmental Protection Agency, Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EQASOP-GW 001, January 19, 2010, revised February 2023.
7. New York State Department of Environmental Conservation, Part 375 of Title 6 of the New York Codes, Rules, and Regulations, Effective December 14, 2006
8. New York State Department of Environmental Conservation, Sampling, Analysis and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs, dated April 2023
9. "Bedrock and Engineering Geology Maps of New York County, and parts of Kings and Queens Counties, New York, and parts of Bergen and Hudson Counties, New Jersey". C.A. Baskerville, USGS 1994.
10. National Wetlands Inventory database: <https://www.fws.gov/program/national-wetlands-inventory>, searched 24 August 2023

## **FIGURES**



**Legend**

Approximate Site Boundary



Notes:  
 1. Basemap adapted from United States Geological Survey (USGS) 7.5-Minute Series Topographical Maps, Brooklyn and Jersey City, New York and New Jersey, Quadrangles, 2019.

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 Langan International LLC  
 Collectively known as Langan

Project

**224 3RD AVENUE**

BLOCK No. 426, LOT No. 36

BROOKLYN

NEW YORK

Figure Title

**SITE  
 LOCATION MAP**

Project No.

170758101

Date

9/5/2023

Scale

1"=2,000'

Drawn By

MG

Submission Date

Figure No.

1



- Legend**
- Approximate Site Boundary
  - Tax Parcel

- Notes:**
1. Imagery provided through Langan's subscription to Nearmap.com, flown on 05/28/2023.
  2. Tax parcel data provided by the New York City Department of City Planning.

**WARNING:** IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

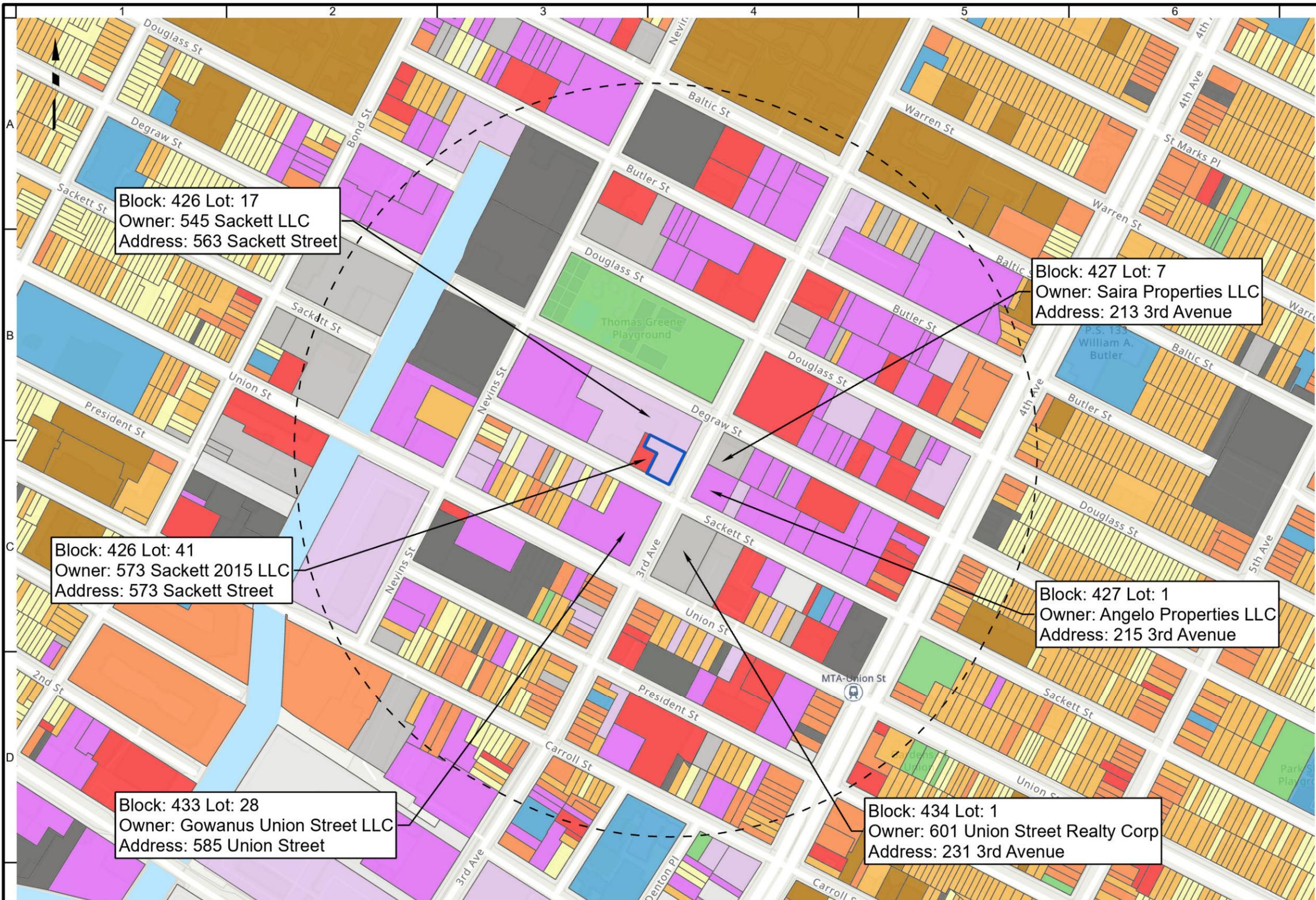


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Project  
**224 3RD AVENUE**  
 BLOCK No. 426, LOT No. 36  
 BROOKLYN NEW YORK

Figure Title  
**SITE PLAN**

Project No. 170758101	Figure No. <b>2</b>
Date 9/11/2023	
Scale 1"=30'	
Drawn By MG	



**Legend**

- Approximate Site Boundary
- 1,000-Foot Radius
- Land Use**
- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Buildings
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land

**Notes:**  
 1. World Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online  
 2. Land Use data provided by the New York City Department of City Planning.

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Project  
**224 3RD AVENUE**  
 BLOCK No. 426, LOT No. 36  
 BROOKLYN NEW YORK

Figure Title  
**SURROUNDING LAND-USE AND SENSITIVE RECEPTORS MAP**

Project No. 170758101	<b>3</b>
Date 9/5/2023	
Scale 1"=300'	
Drawn By MG	



**Legend**

-  Soil Boring, Monitoring Well, Sub-Slab Vapor Point, and Indoor Air Sample Location
-  Approximate Site Boundary
-  Groundwater Elevation Contour

**Notes:**  
 1. Imagery provided through Langan's subscription to Nearmap.com, flown on 05/28/2023.  
 2. Groundwater elevation at RIMW07 was excluded for the purposes of groundwater contour generation due to inconsistency with the surrounding groundwater flow pattern.

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Project

**224 3RD AVENUE**

BLOCK No. 426, LOT No. 36

BROOKLYN

Figure Title

**GROUNDWATER  
 ELEVATION  
 CONTOUR MAP**

NEW YORK

Project No.  
 170758101

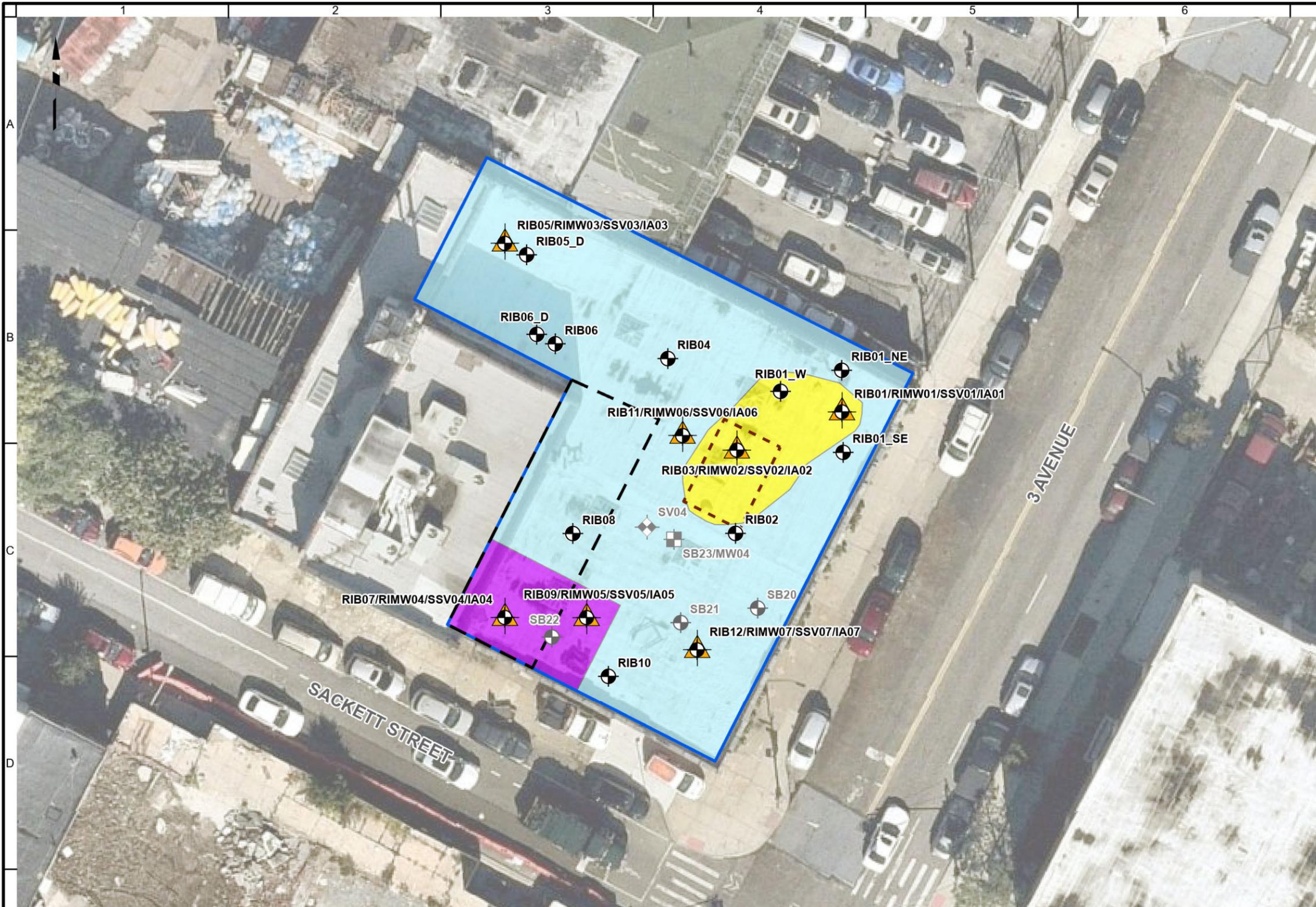
Date  
 9/15/2023

Scale  
 1"=20'

Drawn By  
 PDT

Figure No.

**4**



**Legend**

- Soil Boring Location
- Soil Boring, Monitoring Well, Sub-Slab Vapor Point, and Indoor Air Sample Location
- LSI Soil Boring Location
- LSI Soil Boring and Temporary Monitoring Well Location
- LSI Soil Vapor Point Location
- Approximate Site Boundary
- Cellar
- AOC 1 - Impacts Related to 550-Gallon Gasoline UST
- AOC 2 - Auto Parts Cleaning Area
- AOC 3 - Historical Auto Repair Operations
- Approximate Extent of 550-Gallon Gasoline UST

Notes:  
 1. Imagery provided through Langan's subscription to Nearmap.com, flown on 05/28/2023.  
 2. UST - Underground Storage Tank  
 3. AOC - Area of Concern

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Project

**224 3RD AVENUE**

BLOCK No. 426, LOT No. 36

BROOKLYN

Figure Title

**SAMPLE LOCATION  
 PLAN AND AREAS  
 OF CONCERN**

NEW YORK

Project No.  
 170758101

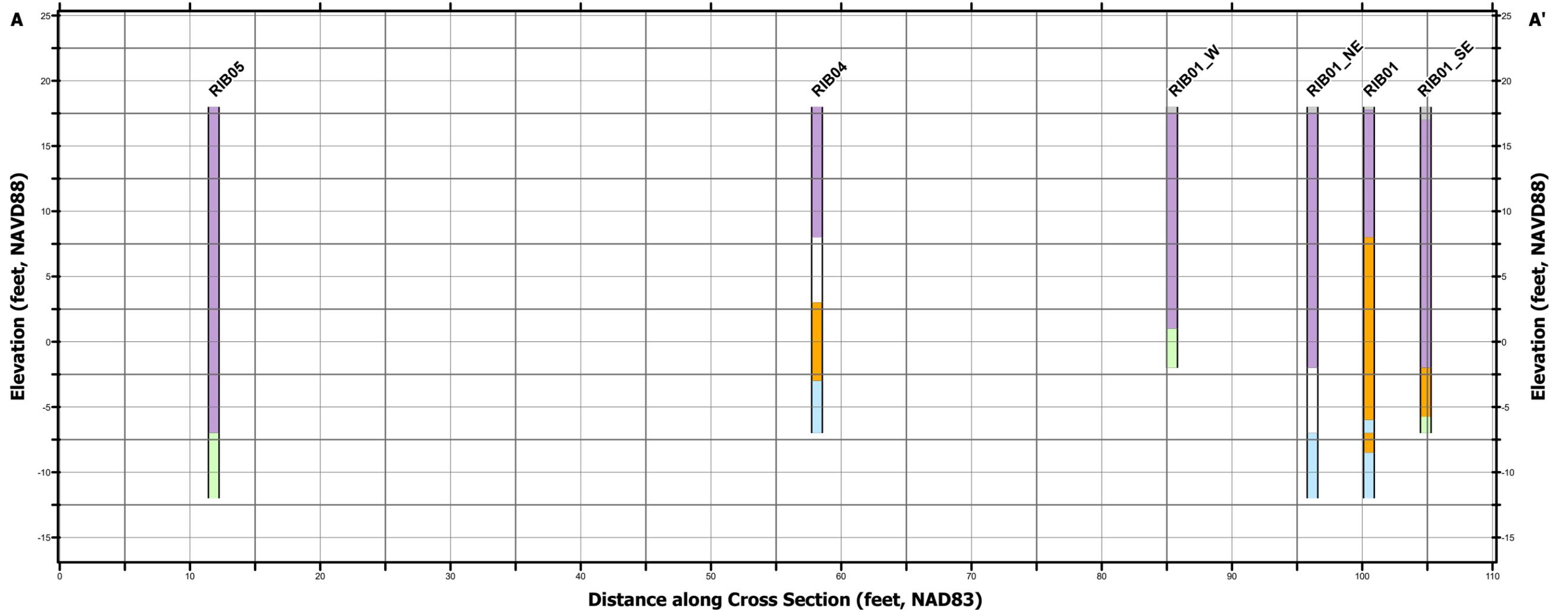
Date  
 9/5/2023

Scale  
 1"=25'

Drawn By  
 MG

Figure No.

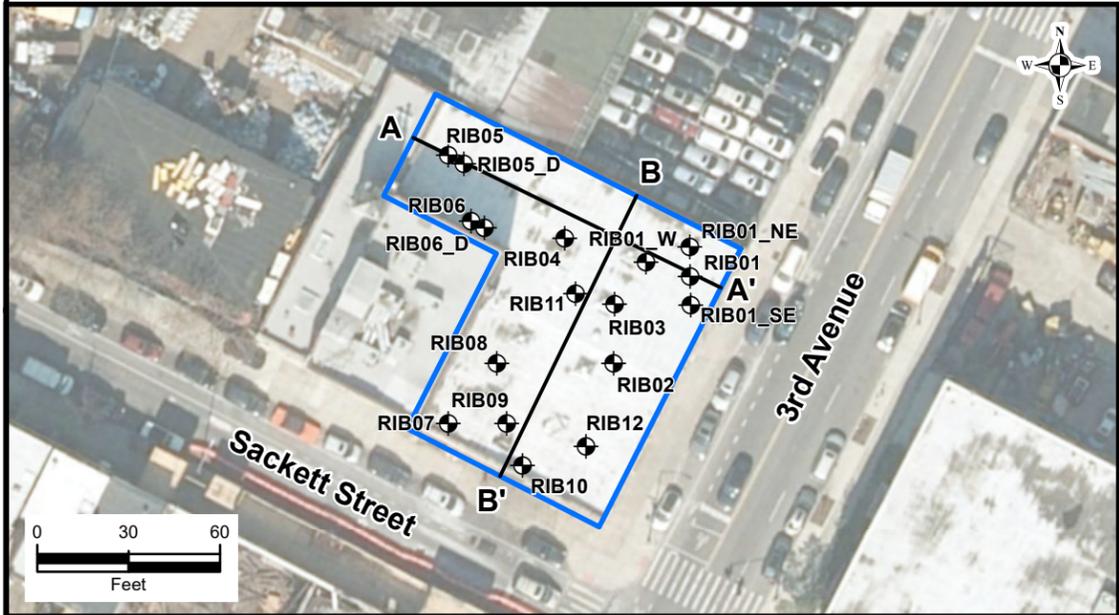
**5**



**Legend**

- ⊕ Sample Locations
- Profile Lines
- Approximate Site Boundary
- Fill
- Clay
- Sand
- No Recovery
- Concrete
- Organic Clay

**Notes:**  
 1. Vertical exaggeration 1:1  
 2. This profile represents a generalized soil cross section depicting location, elevation, and environmental and engineering properties between points of exploration. Variations in subsurface conditions should be expected between borings.  
 3. NAVD88 = North American Vertical Datum of 1988  
 4. NAD83 = North American Datum of 1983



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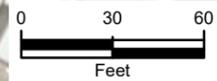
Langan Engineering and Environmental Services, Inc.  
 360 West 31st Street, 8th Floor  
 New York, NY 10001

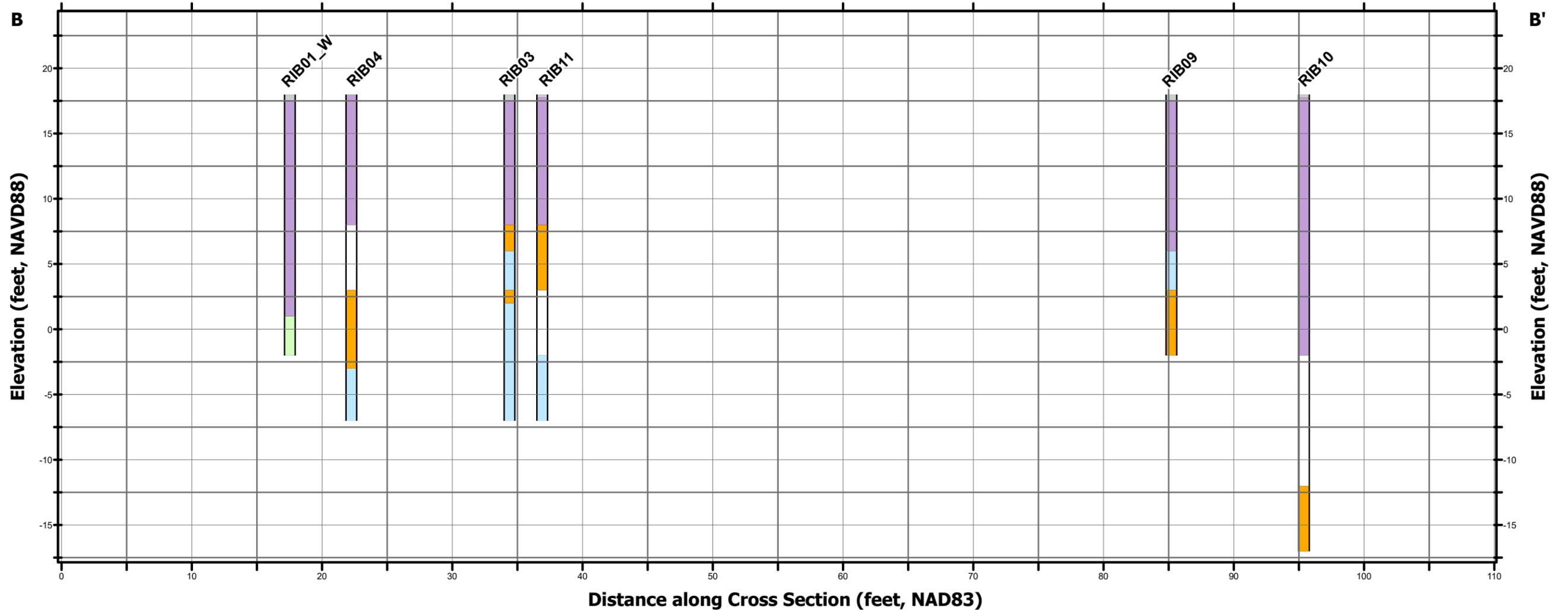
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Project  
**224 3rd AVENUE**  
 BLOCK No. 426, LOT No. 36  
 BROOKLYN NEW YORK

Figure Title  
**SUBSURFACE PROFILE A-A'**

Project No. 170758101	<b>6A</b>
Date 9/11/2023	
Scale AS SHOWN	
Drawn By MG	

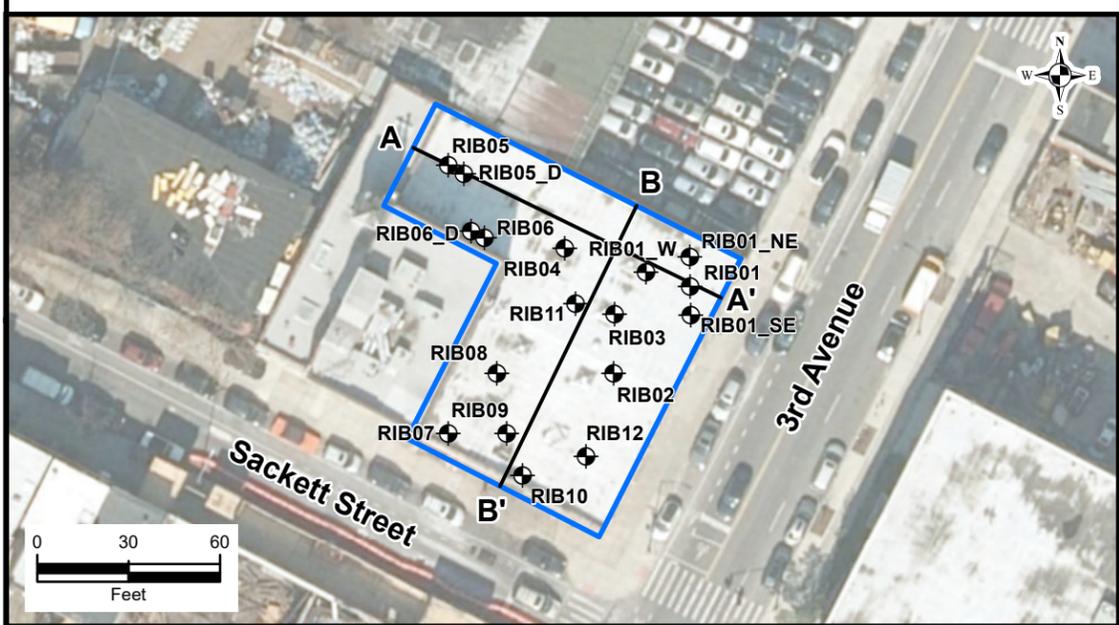




**Legend**

- ⊕ Sample Locations
- Profile Lines
- Approximate Site Boundary
- █ Fill
- █ Clay
- █ Sand
- No Recovery
- █ Concrete
- █ Organic Clay

**Notes:**  
 1. Vertical exaggeration 1:1  
 2. This profile represents a generalized soil cross section depicting location, elevation, and environmental and engineering properties between points of exploration. Variations in subsurface conditions should be expected between borings.  
 3. NAVD88 = North American Vertical Datum of 1988  
 4. NAD83 = North American Datum of 1983



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Project  
**224 3rd AVENUE**  
 BLOCK No. 426, LOT No. 36  
 BROOKLYN NEW YORK

Figure Title  
**SUBSURFACE PROFILE B-B'**

Project No. 170758101	<b>6B</b>
Date 9/11/2023	
Scale AS SHOWN	
Drawn By MG	



**Legend**

- Soil Boring Location
- Soil Boring, Monitoring Well, Sub-Slab Vapor Point, and Indoor Air Sample Location
- Approximate Site Boundary
- Cellar

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs
Acetone	0.05	100	0.05
Benzene	0.06	4.8	0.06
n-Butylbenzene	12	100	12
n-Propylbenzene	3.9	100	3.9
Sec-Butylbenzene	11	100	11
Benzofluoranthene	1	1	1
Benzofluoranthene	1	1	22
Benzofluoranthene	0.8	3.9	1.7
Chrysene	1	3.9	1
Dibenzofluoranthene	0.33	0.33	1000
Dibenzofluoranthene	7	59	210
Fluoranthene	100	100	1000
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2
Phenanthrene	100	100	1000
Pyrene	100	100	1000
Metals			
Arsenic	13	16	16
Barium	350	400	820
Cadmium	2.5	4.3	75
Chromium, Trivalent	30	180	NS
Copper	80	270	1720
Lead	63	400	450
Mercury	0.18	0.81	0.73
Nickel	30	310	130
Zinc	109	10000	2460

**Exceedance Summary:**

- 10 - Result exceeds Unrestricted Use SCOs
- 10 - Result exceeds Restricted Use Residential SCOs
- 10 - Result exceeds Protection of Groundwater SCOs

**Notes:**

- Imagery provided through Langan's subscription to Nearthmap.com, flown on 05/28/2023.
- Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Protection of Groundwater and Restricted Use Residential Soil Cleanup Objectives (SCO).
- Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Unrestricted Use, Restricted Guidance Values (April 2023).
- mg/kg - milligram per kilogram
- RL - Reporting limit
- < RL - Not detected
- NA - Not analyzed

**Qualifiers:**

- D - The concentration reported is a result of a diluted sample.
- J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- U - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

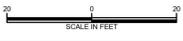
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Project  
**224 3RD AVENUE**  
 BLOCK No. 426, LOT No. 36  
 BROOKLYN NEW YORK

Figure Title  
**SOIL SAMPLE LOCATION AND ANALYTICAL RESULTS**

Project No. 170758101  
 Date 5/1/2024  
 Scale 1" = 20 feet  
 Drawing No. **7**  
 Drawn By MG  
 Submission Date

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Location	RIMW03
Sample Name	RIMW03_0418/2024
Sample Date	04/18/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	155 J
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	0.544
Benzo(a)anthracene	<0.0546 U
Benzo(a)pyrene	<0.0546 U
Benzo(b)fluoranthene	<0.0546 U
Benzo(k)fluoranthene	<0.0546 U
Chrysene	<0.0546 U
Indeno(1,2,3-cd)pyrene	<0.0546 U
<b>Metals - Dissolved</b>	
Arsenic	<1.11 U
Barium	349
Iron	<278 U
Magnesium	69,900
Manganese	1,780
Selenium	712 B
Sodium	391,000
<b>Metals - Total</b>	
Arsenic	16.2
Barium	493
Iron	9,880
Magnesium	67,500
Manganese	1,900
Selenium	<1.11 U
Sodium	340,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	0.000942 J
Perfluorooctanoic Acid (PFOA)	0.0185

Location	RIMW01
Sample Name	RIMW01_0419/2024
Sample Date	04/19/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	174
Chloromethane	20.5
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	0.48
Benzo(a)anthracene	0.05
Benzo(a)pyrene	<0.05 U
Benzo(b)fluoranthene	<0.05 U
Benzo(k)fluoranthene	<0.05 U
Chrysene	<0.05 U
Indeno(1,2,3-cd)pyrene	<0.05 U
<b>Metals - Dissolved</b>	
Arsenic	1.19
Barium	176
Iron	813
Magnesium	29,600
Manganese	1,050
Selenium	14 B
Sodium	442,000
<b>Metals - Total</b>	
Arsenic	5.34
Barium	989
Iron	33,500
Magnesium	54,100
Manganese	1,590
Selenium	22.7
Sodium	1,670,000 D
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	<0.00178 U
Perfluorooctanoic Acid (PFOA)	0.0925

Location	RIMW06
Sample Name	RIMW06_0418/2024
Sample Date	04/18/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	16.8
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	0.32
Benzo(a)anthracene	<0.0552 U
Benzo(a)pyrene	<0.0552 U
Benzo(b)fluoranthene	<0.0552 U
Benzo(k)fluoranthene	<0.0552 U
Chrysene	<0.0552 U
Indeno(1,2,3-cd)pyrene	<0.0552 U
<b>Metals - Dissolved</b>	
Arsenic	1.65
Barium	765
Iron	568
Magnesium	88,200
Manganese	5,350
Selenium	8.84 B
Sodium	1,350,000
<b>Metals - Total</b>	
Arsenic	29.3
Barium	1,330
Iron	57,200
Magnesium	84,300
Manganese	5,720
Selenium	8.26
Sodium	1,040,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	<0.00186 U
Perfluorooctanoic Acid (PFOA)	0.0961

Location	RIMW02
Sample Name	RIMW02_0419/2024
Sample Date	04/19/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	97.3
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	0.576
Benzo(a)anthracene	1.19
Benzo(a)pyrene	1.44
Benzo(b)fluoranthene	1.24
Benzo(k)fluoranthene	1.65
Chrysene	1.77
Indeno(1,2,3-cd)pyrene	1.78
<b>Metals - Dissolved</b>	
Arsenic	4.36
Barium	307
Iron	1,810
Magnesium	68,400
Manganese	7.13
Selenium	51.4 B
Sodium	1,250,000
<b>Metals - Total</b>	
Arsenic	5.15
Barium	301
Iron	2,110
Magnesium	65,900
Manganese	704
Selenium	575
Sodium	1,240,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	<0.00178 U
Perfluorooctanoic Acid (PFOA)	0.0614

Location	RIMW04
Sample Name	RIMW04_0419/2024
Sample Date	04/19/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	3.36
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	<0.3 U
Benzo(a)anthracene	0.17
Benzo(a)pyrene	<0.05 U
Benzo(b)fluoranthene	<0.05 U
Benzo(k)fluoranthene	<0.05 U
Chrysene	<0.05 U
Indeno(1,2,3-cd)pyrene	<0.05 U
<b>Metals - Dissolved</b>	
Arsenic	1.19
Barium	589
Iron	279
Magnesium	53,200
Manganese	1,560
Selenium	36.1 B
Sodium	386,000 D
<b>Metals - Total</b>	
Arsenic	2.14
Barium	165
Iron	968
Magnesium	26,600
Manganese	1,000
Selenium	42.4
Sodium	367,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	0.00208
Perfluorooctanoic Acid (PFOA)	0.0518

Location	RIMW05
Sample Name	RIMW05_0419/2024
Sample Date	04/19/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	4.23
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	1.54
Benzo(a)anthracene	<0.05 U
Benzo(a)pyrene	<0.05 U
Benzo(b)fluoranthene	<0.05 U
Benzo(k)fluoranthene	<0.05 U
Chrysene	<0.05 U
Indeno(1,2,3-cd)pyrene	<0.05 U
<b>Metals - Dissolved</b>	
Arsenic	4.76
Barium	463
Iron	22,400
Magnesium	51,700
Manganese	1,570
Selenium	10.2 B
Sodium	805,000
<b>Metals - Total</b>	
Arsenic	5.77
Barium	498
Iron	21,800
Magnesium	48,700
Manganese	1,590
Selenium	14
Sodium	747,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	0.00988
Perfluorooctanoic Acid (PFOA)	0.0343

Location	RIMW07
Sample Name	RIMW07_0419/2024
Sample Date	04/19/2024
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	<80 U
Acetone	18.9
Chloromethane	<0.5 U
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	1.33
Benzo(a)anthracene	<0.05 U
Benzo(a)pyrene	<0.05 U
Benzo(b)fluoranthene	<0.05 U
Benzo(k)fluoranthene	<0.05 U
Chrysene	<0.05 U
Indeno(1,2,3-cd)pyrene	<0.05 U
<b>Metals - Dissolved</b>	
Arsenic	5.76
Barium	382
Iron	24,100
Magnesium	46,900
Manganese	897
Selenium	8.92 B
Sodium	785,000
<b>Metals - Total</b>	
Arsenic	5.85
Barium	391
Iron	22,300
Magnesium	42,600
Manganese	899
Selenium	5.75
Sodium	735,000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	0.00611
Perfluorooctanoic Acid (PFOA)	0.032

- Legend**
- Soil Boring, Monitoring Well, Sub-Slab Vapor Point, and Indoor Air Sample Location
  - Approximate Site Boundary
  - Cellar

Analyte	NYSDEC SGVs
<b>VOCs</b>	
1,4-Dioxane (P-Dioxane)	0.35
Acetone	50
Chloromethane	5
<b>SVOCs</b>	
1,4-Dioxane (P-Dioxane)	0.35
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
<b>Metals - Dissolved</b>	
Arsenic	25
Barium	1000
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
<b>Metals - Total</b>	
Arsenic	25
Barium	1000
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
<b>PFAS</b>	
Perfluorooctanesulfonic Acid (PFOS)	0.0027
Perfluorooctanoic Acid (PFOA)	0.0067

**Exceedance Summary:**  
10 - Result exceeds NYSDEC SGVs

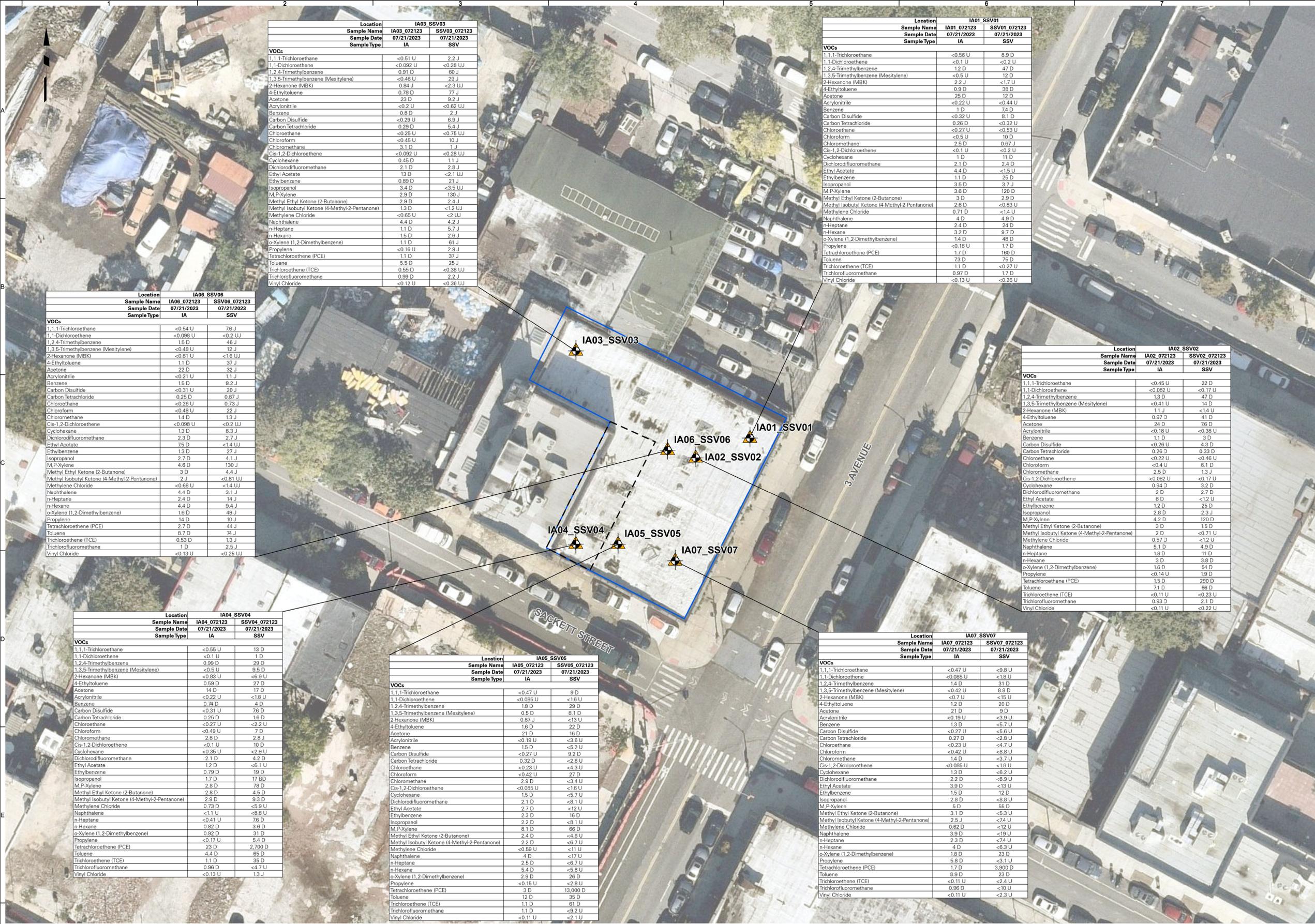
- Notes:**
- Imagery provided through Langan's subscription to Nearthmap.com, flown on 05/28/2023.
  - Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").
  - ug/l - microgram per liter
  - RL - Reporting limit
  - < RL - Not detected

**Qualifiers:**  
J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.  
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.  
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

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	<p>Date 5/6/2024</p> <p>Scale 1" = 20 feet</p> <p>Drawn By MG</p> <p>Submission Date</p>			



Location		IA03_SSV03	
Sample Name	Sample Date	IA03_072123	SSV03_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.51 U	2.2 J
1,1-Dichloroethane		<0.092 U	<0.28 UJ
1,2,4-Trimethylbenzene		0.91 D	60 J
1,3,5-Trimethylbenzene (Mesitylene)		<0.46 U	29 J
2-Hexanone (MBK)		<0.84 J	<2.3 UJ
4-Ethyltoluene		0.78 D	77 J
Acetone		23 D	9.2 J
Acrylonitrile		<0.2 U	<0.62 UJ
Benzene		0.8 D	2 J
Carbon Disulfide		<0.29 U	6.9 J
Carbon Tetrachloride		0.29 D	5.4 J
Chloroethane		<0.25 U	<0.75 UJ
Chloroform		<0.45 U	10 J
Chloromethane		3.1 D	1 J
Cis-1,2-Dichloroethane		<0.092 U	<0.28 UJ
Cyclohexane		0.45 D	1.1 J
Dichlorodifluoromethane		2.1 D	2.8 J
Ethyl Acetate		13 D	<2.1 UJ
Ethylbenzene		0.89 D	21 J
Isopropanol		3.4 D	<3.5 UJ
M,P-Xylene		2.9 D	130 J
Methyl Ethyl Ketone (2-Butanone)		2.9 D	2.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.3 D	<1.2 UJ
Methylene Chloride		<0.65 U	<2 U
Naphthalene		4.4 D	4.2 J
n-Heptane		1.1 D	5.7 J
n-Hexane		1.5 D	2.6 J
o-Xylene (1,2-Dimethylbenzene)		1.1 D	61 J
Propylene		<0.16 U	2.9 J
Tetrachloroethene (PCE)		1.1 D	37 J
Toluene		5.5 D	25 J
Trichloroethene (TCE)		0.55 D	<0.38 UJ
Trichlorofluoromethane		0.99 D	2.2 J
Vinyl Chloride		<0.12 U	<0.36 UJ

Location		IA01_SSV01	
Sample Name	Sample Date	IA01_072123	SSV01_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.56 U	8.9 D
1,1-Dichloroethane		<0.1 U	<0.2 U
1,2,4-Trimethylbenzene		12 D	47 D
1,3,5-Trimethylbenzene (Mesitylene)		<0.5 U	12 D
2-Hexanone (MBK)		2.2 J	<1.7 U
4-Ethyltoluene		0.9 D	38 D
Acetone		25 D	12 D
Acrylonitrile		<0.22 U	<0.44 U
Benzene		1.0 D	7.4 D
Carbon Disulfide		<0.32 U	8.1 D
Carbon Tetrachloride		0.26 D	<0.32 U
Chloroethane		<0.27 U	<0.53 U
Chloroform		<0.5 U	10 D
Chloromethane		2.5 D	0.67 J
Cis-1,2-Dichloroethane		<0.1 U	<0.2 U
Cyclohexane		1.0 D	11 D
Dichlorodifluoromethane		2.1 D	2.4 D
Ethyl Acetate		4.4 D	<1.5 U
Ethylbenzene		1.1 D	25 D
Isopropanol		3.5 D	3.7 J
M,P-Xylene		3.6 D	120 D
Methyl Ethyl Ketone (2-Butanone)		3 D	2.9 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2.6 D	<0.83 U
Methylene Chloride		0.71 D	<1.4 U
Naphthalene		4.0 D	4.9 D
n-Heptane		2.4 D	24 D
n-Hexane		3.2 D	9.7 D
o-Xylene (1,2-Dimethylbenzene)		1.4 D	48 D
Propylene		<0.18 U	1.7 D
Tetrachloroethene (PCE)		1.7 D	160 D
Toluene		73 D	75 D
Trichloroethene (TCE)		1.1 D	<0.27 U
Trichlorofluoromethane		0.97 D	1.7 D
Vinyl Chloride		<0.13 U	<0.26 U

Location		IA06_SSV06	
Sample Name	Sample Date	IA06_072123	SSV06_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.54 U	76 J
1,1-Dichloroethane		<0.098 U	<0.2 UJ
1,2,4-Trimethylbenzene		15 D	46 J
1,3,5-Trimethylbenzene (Mesitylene)		<0.48 U	12 J
2-Hexanone (MBK)		<0.81 U	<1.6 UJ
4-Ethyltoluene		1.1 D	37 J
Acetone		22 D	32 J
Acrylonitrile		<0.21 U	1.1 J
Benzene		15 D	8.2 J
Carbon Disulfide		<0.31 U	20 J
Carbon Tetrachloride		0.25 D	0.87 J
Chloroethane		<0.26 U	0.73 J
Chloroform		<0.48 U	22 J
Chloromethane		1.4 D	1.3 J
Cis-1,2-Dichloroethane		<0.098 U	<0.2 UJ
Cyclohexane		13 D	8.3 J
Dichlorodifluoromethane		2.3 D	2.7 J
Ethyl Acetate		75 D	<1.4 UJ
Ethylbenzene		13 D	27 J
Isopropanol		2.3 D	4.1 J
M,P-Xylene		4.6 D	130 J
Methyl Ethyl Ketone (2-Butanone)		3 D	4.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2 J	<0.81 UJ
Methylene Chloride		<0.68 U	<1.4 UJ
Naphthalene		4.4 D	3.1 J
n-Heptane		2.4 D	14 J
n-Hexane		4.4 D	9.4 J
o-Xylene (1,2-Dimethylbenzene)		1.6 D	49 J
Propylene		14 D	10 J
Tetrachloroethene (PCE)		2.7 D	44 J
Toluene		8.7 D	74 J
Trichloroethene (TCE)		0.53 D	1.3 J
Trichlorofluoromethane		1 D	2.5 J
Vinyl Chloride		<0.13 U	<0.25 UJ

Location		IA02_SSV02	
Sample Name	Sample Date	IA02_072123	SSV02_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.45 U	22 D
1,1-Dichloroethane		<0.092 U	<0.17 U
1,2,4-Trimethylbenzene		13 D	47 D
1,3,5-Trimethylbenzene (Mesitylene)		<0.41 U	14 D
2-Hexanone (MBK)		1.1 J	<1.4 U
4-Ethyltoluene		0.97 D	41 D
Acetone		24 D	76 D
Acrylonitrile		<0.15 U	<0.38 U
Benzene		1.1 D	3 D
Carbon Disulfide		<0.26 U	4.3 D
Carbon Tetrachloride		0.26 D	0.33 D
Chloroethane		<0.22 U	<0.46 U
Chloroform		<0.4 U	6.1 D
Chloromethane		2.5 D	13 J
Cis-1,2-Dichloroethane		<0.092 U	<0.17 U
Cyclohexane		0.94 D	3.2 D
Dichlorodifluoromethane		2 D	2.7 D
Ethyl Acetate		8 D	<1.2 U
Ethylbenzene		1.2 D	25 D
Isopropanol		2.8 D	2.3 J
M,P-Xylene		4.2 D	120 D
Methyl Ethyl Ketone (2-Butanone)		3 D	1.6 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2 D	<0.71 U
Methylene Chloride		<0.67 U	<1.2 U
Naphthalene		5.1 D	4.9 D
n-Heptane		1.8 D	11 D
n-Hexane		3 D	3.8 D
o-Xylene (1,2-Dimethylbenzene)		1.6 D	54 D
Propylene		<0.14 U	1.9 D
Tetrachloroethene (PCE)		15 D	290 D
Toluene		71 D	66 D
Trichloroethene (TCE)		<0.11 U	<0.23 U
Trichlorofluoromethane		0.93 D	2.1 D
Vinyl Chloride		<0.11 U	<0.22 U

Location		IA04_SSV04	
Sample Name	Sample Date	IA04_072123	SSV04_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.55 U	13 D
1,1-Dichloroethane		<0.1 U	1 D
1,2,4-Trimethylbenzene		0.99 D	29 D
1,3,5-Trimethylbenzene (Mesitylene)		<0.5 U	9.5 D
2-Hexanone (MBK)		<0.83 U	<6.9 U
4-Ethyltoluene		0.59 D	27 D
Acetone		14 D	17 D
Acrylonitrile		<0.22 U	<1.8 U
Benzene		0.74 D	4.9 D
Carbon Disulfide		<0.31 U	76 D
Carbon Tetrachloride		0.25 D	1.6 D
Chloroethane		<0.27 U	<2.2 U
Chloroform		<0.49 U	7 D
Chloromethane		2.8 D	2.8 J
Cis-1,2-Dichloroethane		<0.1 U	10 D
Cyclohexane		<0.35 U	<2.9 U
Dichlorodifluoromethane		2.1 D	4.2 D
Ethyl Acetate		1.2 D	<6.1 U
Ethylbenzene		0.79 D	19 D
Isopropanol		1.7 D	17.80 D
M,P-Xylene		2.8 D	78 D
Methyl Ethyl Ketone (2-Butanone)		2.8 D	4.5 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2.9 D	9.3 D
Methylene Chloride		0.73 D	<5.9 U
Naphthalene		<1.1 U	<8.9 U
n-Heptane		<0.41 U	76 D
n-Hexane		0.82 D	3.6 D
o-Xylene (1,2-Dimethylbenzene)		0.92 D	31 D
Propylene		<0.17 U	5.4 D
Tetrachloroethene (PCE)		23 D	2,700 D
Toluene		4.4 D	65 D
Trichloroethene (TCE)		1.1 D	35 D
Trichlorofluoromethane		0.96 D	<4.7 U
Vinyl Chloride		<0.13 U	1.3 J

Location		IA05_SSV05	
Sample Name	Sample Date	IA05_072123	SSV05_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.47 U	9 D
1,1-Dichloroethane		<0.085 U	<1.6 U
1,2,4-Trimethylbenzene		1.8 D	29 D
1,3,5-Trimethylbenzene (Mesitylene)		0.5 D	9.1 D
2-Hexanone (MBK)		0.87 J	<13 U
4-Ethyltoluene		1.6 D	22 D
Acetone		21 D	16 D
Acrylonitrile		<0.19 U	<3.6 U
Benzene		1.5 D	<5.2 U
Carbon Disulfide		<0.27 U	9.2 D
Carbon Tetrachloride		0.32 D	<2.6 U
Chloroethane		<0.23 U	<4.3 U
Chloroform		<0.42 U	27 D
Chloromethane		2.9 D	<3.4 U
Cis-1,2-Dichloroethane		<0.085 U	<1.6 U
Cyclohexane		1.5 D	<5.7 U
Dichlorodifluoromethane		2.1 D	<8.1 U
Ethyl Acetate		2.7 D	<12 U
Ethylbenzene		2.3 D	16 D
Isopropanol		2.2 D	<8.1 U
M,P-Xylene		8.1 D	65 D
Methyl Ethyl Ketone (2-Butanone)		2.4 D	<4.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2.2 D	<6.7 U
Methylene Chloride		<0.59 U	<11 U
Naphthalene		4 D	<17 U
n-Heptane		2.5 D	<6.7 U
n-Hexane		5.4 D	<5.8 U
o-Xylene (1,2-Dimethylbenzene)		2.9 D	26 D
Propylene		<0.15 U	<2.8 U
Tetrachloroethene (PCE)		3 D	13,000 D
Toluene		12 D	35 D
Trichloroethene (TCE)		1.1 D	61 D
Trichlorofluoromethane		1.1 D	<3.2 U
Vinyl Chloride		<0.11 U	<2.1 U

Location		IA07_SSV07	
Sample Name	Sample Date	IA07_072123	SSV07_072123
Sample Type	Sample Type	IA	SSV
<b>VOCs</b>			
1,1,1-Trichloroethane		<0.47 U	<8.8 U
1,1-Dichloroethane		<0.085 U	<1.8 U
1,2,4-Trimethylbenzene		1.4 D	31 D
1,3,5-Trimethylbenzene (Mesitylene)		<0.42 U	8.8 D
2-Hexanone (MBK)		<0.7 U	<15 U
4-Ethyltoluene		1.2 D	20 D
Acetone		21 D	9 D
Acrylonitrile		<0.19 U	<3.9 U
Benzene		1.3 D	<5.7 U
Carbon Disulfide		<0.27 U	<5.6 U
Carbon Tetrachloride		0.27 D	<2.8 U
Chloroethane		<0.23 U	<4.7 U
Chloroform		<0.42 U	<8.8 U
Chloromethane		1.4 D	<3.7 U
Cis-1,2-Dichloroethane		<0.085 U	<1.8 U
Cyclohexane		1.3 D	<6.2 U
Dichlorodifluoromethane		2.2 D	<8.9 U
Ethyl Acetate		3.9 D	<13 U
Ethylbenzene		1.5 D	12 D
Isopropanol		2.8 D	<8.8 U
M,P-Xylene		5 D	55 D
Methyl Ethyl Ketone (2-Butanone)		3.1 D	<5.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		2.5 J	<7.4 U
Methylene Chloride (4-Methyl-2-Pentanone)		0.62 D	<12 U
Naphthalene		3.9 D	<19 U
n-Heptane		2.3 D	<7.4 U
n-Hexane		4 D	<6.3 U
o-Xylene (1,2-Dimethylbenzene)		1.8 D	23 D
Propylene		5.8 D	<3.1 U
Tetrachloroethene (PCE)		1.7 D	3,900 D
Toluene		8.9 D	23 D
Trichloroethene (TCE)		<0.11 U	<2.4 U
Trichlorofluoromethane		0.96 D	<10 U
Vinyl Chloride		<0.11 U	<2.3 U

- Legend**
- Soil Boring, Monitoring Well, Sub-Slab Vapor Point, and Indoor Air Sample Location
  - Approximate Site Boundary
  - 1 Cellar

Analyte	NYSDOH AGVs
<b>VOCs</b>	
1,1,1-Trichloroethane	NS
1,1-Dichloroethane	NS
1,2,4-Trimethylbenzene	NS
1,3,5-Trimethylbenzene (Mesitylene)	NS
2-Hexanone (MBK)	NS
4-Ethyltoluene	NS
Acetone	NS
Acrylonitrile	NS
Benzene	NS
Carbon Disulfide	NS
Carbon Tetrachloride	NS
Chloroethane	NS
Chloroform	NS
Chloromethane	NS
Cis-1,2-Dichloroethane	NS
Cyclohexane	NS
Dichlorodifluoromethane	NS
Ethyl Acetate	NS
Ethylbenzene	NS
Isopropanol	NS
M,P-Xylene	NS
Methyl Ethyl Ketone (2-Butanone)	NS
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS
Methylene Chloride	60
Naphthalene	NS
n-Heptane	NS
n-Hexane	NS
o-Xylene (1,2-Dimethylbenzene)	NS
Propylene	NS
Tetrachloroethene (PCE)	30
Toluene	NS
Trichloroethene (TCE)	2
Trichlorofluoromethane	NS
Vinyl Chloride	NS

**Exceedance Summary:**  
 10 - Result exceeds NYSDOH AGVs

- Notes:**
- Imagery provided through Langan's subscription to Nearmap.com, flown on 05/28/2023.
  - Sub-slab vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
  - Data is presented as micrograms per cubic meter (µg/m³)
  - RL - Reporting limit
  - < RL - Not detected
  - NS - No standard

**Qualifiers:**

- D - The concentration reported is a result of a diluted sample.
- J - The

## **TABLES**

**Table 1  
Remedial Investigation Report  
Sample Collection Summary**

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Location	Sample Name	Sample Depth	Sample Date	Laboratory Analytical Method
<b>Indoor Air Samples</b>				
IA01	IA01_072123	-	7/21/2023	TO-15 VOCs and Naphthalene
IA02	IA02_072123	-	7/21/2023	
IA03	IA03_072123	-	7/21/2023	
IA04	IA04_072123	-	7/21/2023	
IA05	IA05_072123	-	7/21/2023	
IA06	IA06_072123	-	7/21/2023	
IA07	IA07_072123	-	7/21/2023	
<b>Sub-Slab Vapor Samples</b>				
SSV01	SSV01_072123	-	7/21/2023	TO-15 VOCs and Naphthalene
SSV02	SSV02_072123	-	7/21/2023	
SSV03	SSV03_072123	-	7/21/2023	
SSV04	SSV04_072123	-	7/21/2023	
SSV05	SSV05_072123	-	7/21/2023	
SSV06	SSV06_072123	-	7/21/2023	
SSV07	SSV07_072123	-	7/21/2023	
<b>Soil Samples</b>				
RIB01	RIB01_0-2	0-2	7/17/2023	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS
RIB01	RIB01_11.5-13.5	11.5-13.5	7/17/2023	
RIB01	RIB01_25.7-27.5	25.7-27.5	7/17/2023	
RIB01	RIB01_W_15-16	15-16	7/19/2023	
RIB01	RIB01_W_17-18	17-18	7/19/2023	
RIB02	RIB02_0-2	0-2	7/18/2023	
RIB02	RIB02_15.5-17.5	15.5-17.5	7/18/2023	
RIB02	RIB02_20-21	20-21	7/18/2023	
RIB03	RIB03_0-2	0-2	7/17/2023	
RIB03	RIB03_10.5-12.5	10.5-12.5	7/17/2023	
RIB03	RIB03_15-17	15-17	7/17/2023	
RIB03	RIBDUP01_071723	10.5-12.5	7/17/2023	
RIB04	RIB04_0-2	0-2	7/17/2023	
RIB04	RIB04_21-23	21-23	7/17/2023	
RIB04	RIB04_5-6	5-6	7/17/2023	
RIB05	RIB05_0-2	0-2	7/17/2023	
RIB05	RIB05_10-12	10-12	7/17/2023	
RIB05	RIB05_15-16	15-16	7/18/2023	
RIB05	RIB05_D_100-102	100-102	7/26/2023	VOCs, SVOCs
RIB05	RIB05_D_95-97	95-97	7/26/2023	
RIB06	RIB06_0-2	0-2	7/18/2023	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS
RIB06	RIB06_10-12	10-12	7/18/2023	
RIB06	RIB06_15-16	15-16	7/18/2023	
RIB07	RIB07_13-15	13-15	7/19/2023	
RIB07	RIB07_21-22	21-22	7/19/2023	
RIB07	RIB07_8-10	8-10	7/19/2023	
RIB08	RIB08_13-15	13-15	7/19/2023	
RIB08	RIB08_21-23	21-23	7/19/2023	
RIB08	RIB08_8-10	8-10	7/19/2023	
RIB09	RIB09_0-2	0-2	7/14/2023	
RIB09	RIB09_10-12	10-12	7/14/2023	
RIB09	RIB09_15-16.5	15-16.5	7/14/2023	
RIB10	RIB10_0-2	0-2	7/18/2023	
RIB10	RIB10_10-12	10-12	7/18/2023	
RIB10	RIB10_18-20	18-20	7/18/2023	
RIB10	RIDUP02_071823	18-20	7/18/2023	
RIB11	RIB11_0-2	0-2	7/17/2023	
RIB11	RIB11_20-22	20-22	7/17/2023	
RIB11	RIB11_5-7	5-7	7/17/2023	
RIB12	RIB12_0-2	0-2	7/14/2023	
RIB12	RIB12_10-12	10-12	7/14/2023	
RIB12	RIB12_18-20	18-20	7/18/2023	
<b>Groundwater Samples</b>				
MW01	RIMW01_041924	6-21	4/19/2024	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals - Dissolved, Metals - Total, PFAS
MW02	RIMW02_041924	9-24	4/19/2024	
MW03	RIMW03_041824	10-25	4/18/2024	
MW04	RIMW04_041924	0-15	4/19/2024	
MW05	RIMW05_041924	8-23	4/19/2024	
MW06	RIMW06_041824	6-21	4/18/2024	
MW07	RIMW07_041924	8-23	4/19/2024	

**Table 2**  
**Monitoring Well Construction Summary**  
**Remedial Investigation Report**

**224 3rd Avenue**  
**Brooklyn, NY**  
**NYSDEC BCP Site No. C224373**  
**Langan Project No. 170758101**

Monitoring Well ID	Converted from Soil Boring	Date Installed	Equipment Used	Inner Well Diameter (inches)	Approximate Annular Space (inches) <sup>4</sup>	Total Depth (feet bgs)	Screened Interval (feet bgs)	Screen Length (feet)	Screen Material	Riser Interval (feet bgs)	Riser Material
RIMW01	SB01	4/8/2024	Geoprobe 7822 DT Drill Rig	2	0.5	21	6 to 21	15	0.020-inch slotted PVC	0-6	PVC
RIMW02	SB02	4/8/2024		2	0.5	24	9 to 24		0.020-inch slotted PVC	0-9	
RIMW03	SB03	4/8/2024		2	0.5	25	10 to 25		0.020-inch slotted PVC	0-10	
RIMW04	SB04	4/9/2024		2	0.5	15	1 to 15		0.020-inch slotted PVC	0-1	
RIMW05	SB05	4/9/2024		2	0.5	23	8 to 23		0.020-inch slotted PVC	0-8	
RIMW06	SB06	4/8/2024		2	0.5	21	6 to 21		0.020-inch slotted PVC	0-6	
RIMW07	SB07	4/9/2024		2	0.5	23	8 to 23		0.020-inch slotted PVC	0-8	

**Notes:**

1. PVC = Polyvinyl chloride
2. bgs = Below ground surface
3. NAVD88 = North American Vertical Datum of 1988
4. Annular space is estimated based on a 3-inch borehole used to install the wells.

**Table 3**  
**Remedial Investigation Report**  
**Groundwater Elevation Data**

**224 3rd Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Well ID	Top of Casing Elevation (feet)	July 28, 2023		April 18 and 19, 2024
		Depth to Water (feet below top of casing)	Water Elevation (feet)	Depth to Water (feet below top of casing)
RIMW01	18.41	12.99	5.42	12.01
RIMW02	18.29	13.35	4.94	11.80
RIMW03	17.88	13.32	4.56	12.34
RIMW04	10.25	5.52	4.73	4.44
RIMW05	18.28	13.48	4.80	13.77
RIMW06	18.08	13.37	4.71	12.46
RIMW07	18.32	13.80	4.52	12.83

**Notes:**

1. Monitoring wells were surveyed by Langan on July 28, 2023
2. Elevations are relative to the North American Vertical Datum of 1988 (NAVD88).
3. No product was identified in the wells.
4. RIMW04 is located in the cellar, about 8 feet below grade surface and the rest of the site.

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location											
					Sample Name	RIB01	RIB01	RIB01	RIB01	RIB01	RIB02	RIB02	RIB02	RIB03	RIB03	RIB03
					Sample Date	RIB01_0-2	RIB01_11.5-13.5	RIB01_25.7-27.5	RIB01_W_15-16	RIB01_W_17-18	RIB02_0-2	RIB02_15.5-17.5	RIB02_20-21	RIB03_0-2	RIB03_10.5-12.5	RIB03_10.5-12.5
					Sample Depth	0-2	11.5-13.5	25.7-27.5	15-16	17-18	0-2	15.5-17.5	20-21	0-2	10.5-12.5	10.5-12.5
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	3.6	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	8.4	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.097 U	<82 U	<0.13 U	<0.089 U	<0.21 U	<0.12 U	<0.12 U	<0.17 U	<0.1 U	<28 U	<17 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Acetone	67-64-1	0.05	100	0.05	mg/kg	0.052	<8.2 U	0.057 J	<0.011 U	<0.021 U	0.012 J	0.12	0.039 J	0.011	2.4 JD	1.5 JD
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0097 U	<8.2 U	<0.013 U	<0.0089 U	<0.021 U	<0.01 U	<0.012 U	<0.017 U	<0.01 U	<2.8 U	<1.7 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Benzene	71-43-2	0.06	4.8	0.06	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	0.0065	<0.0044 U	0.006 J	<0.0052 U	<0.0058 U	0.0061 J	<0.0052 U	<1.4 U	<0.86 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Chlorobenzene	108-90-7	1.1	100	1.1	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Chloroform	67-66-3	0.37	49	0.37	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0049 U	12 D	<0.0065 U	<0.0044 U	0.015	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	6.8 D	4.1 D
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Ethylbenzene	100-41-4	1	41	1	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0049 U	21 D	<0.0065 U	0.0044	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	2 D	0.89 D
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0097 U	<8.2 U	<0.013 U	<0.0089 U	<0.021 U	<0.01 U	<0.012 U	<0.017 U	<0.01 U	<2.8 U	<1.7 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	0.12	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	0.013	0.0054 J	<0.0052 U	<1.4 U	<0.86 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.0049 U	<4.1 U	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	<1.4 U	<0.86 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	0.0025 J	50 D	<0.0065 U	<0.0044 U	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	29 J	15 J
Methylene Chloride	75-09-2	0.05	100	0.05	mg/kg	<0.0097 U	<8.2 U	<0.013 U	<0.0089 U	<0.021 U	<0.01 U	<0.012 U	<0.017 U	<0.01 U	<2.8 U	<1.7 U
n-Butylbenzene	104-51-8	12	100	12	mg/kg	<0.0049 U	19 D	<0.0065 U	0.019	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	2.7 D	1.4 D
n-Propylbenzene	103-65-1	3.9	100	3.9	mg/kg	<0.0049 U	63 D	<0.0065 U	0.019	<0.011 U	<0.0052 U	<0.0058 U	<0.0083 U	<0.0052 U	4 D	1.9 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6															

**Table 4  
Remedial Investigation Report  
Soil Sample Analytical Results**

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location											
					Sample Name	RIB01	RIB01	RIB01	RIB01	RIB01	RIB02	RIB02	RIB02	RIB03	RIB03	RIB03
					Sample Date	RIB01_0-2	RIB01_11.5-13.5	RIB01_25.7-27.5	RIB01_W_15-16	RIB01_W_17-18	RIB02_0-2	RIB02_15.5-17.5	RIB02_20-21	RIB03_0-2	RIB03_10.5-12.5	RIB03_10.5-12.5
					Sample Depth	0-2	11.5-13.5	25.7-27.5	15-16	17-18	0-2	15.5-17.5	20-21	0-2	10.5-12.5	10.5-12.5
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Semi-Volatile Organic Compounds</b>																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.0192 U	<0.0196 U	<0.0194 U	<0.019 U	<0.0196 U	<0.0194 U	<0.0183 U	<0.0192 U	<0.0198 U	<0.019 U	<0.0196 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>0.109 D</b>	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.0902 U	<b>3.04 D</b>	<0.119 U	<b>0.0738 JD</b>	<0.161 U	<b>2.71 D</b>	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	0.33	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>0.0704 JD</b>	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	0.33	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>0.196 D</b>	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
Acenaphthene	83-32-9	20	100	98	mg/kg	<b>0.271 D</b>	<b>0.063 JD</b>	<0.119 U	<0.0942 U	<0.161 U	<b>8.84 D</b>	<0.0995 U	<0.144 U	<b>0.0995 D</b>	<0.0951 U	<0.0953 U
Acenaphthylene	208-96-8	100	100	107	mg/kg	<b>0.322 D</b>	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>5.44 D</b>	<0.0995 U	<0.144 U	<b>0.206 D</b>	<0.0951 U	<0.0953 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.361 U	<0.39 U	<0.477 U	<0.377 U	<0.645 U	<0.375 U	<0.398 U	<0.578 U	<0.369 U	<0.381 U	<0.382 U
Anthracene	120-12-7	100	100	1000	mg/kg	<b>0.931 D</b>	<b>0.077 JD</b>	<0.119 U	<0.0942 U	<0.161 U	<b>24 D</b>	<b>0.0692 JD</b>	<0.144 U	<b>0.479 D</b>	<0.0951 U	<0.0953 U
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.361 U	<0.39 U	<0.477 U	<0.377 U	<0.645 U	<0.375 U	<0.398 U	<0.578 U	<0.369 U	<0.381 U	<0.382 U
Benzo(a)anthracene	56-55-3	<b>1</b>	<b>1</b>	<b>1</b>	mg/kg	<b>4.75 D</b>	0.0925 JD	<0.119 U	0.12 D	<0.161 U	<b>57.4 D</b>	0.21 D	<0.144 U	<b>2.28 D</b>	<b>0.0494 JD</b>	<0.0953 U
Benzo(a)pyrene	50-32-8	<b>1</b>	<b>1</b>	<b>22</b>	mg/kg	<b>5.63 D</b>	0.0848 JD	<0.119 U	0.124 D	<0.161 U	<b>55.8 D</b>	0.219 D	<0.144 U	<b>2.64 D</b>	<0.0951 U	<0.0953 U
Benzo(b)fluoranthene	205-99-2	<b>1</b>	<b>1</b>	<b>1.7</b>	mg/kg	<b>6.57 D</b>	0.0995 D	<0.119 U	0.154 D	<0.161 U	<b>65.3 D</b>	0.251 D	<0.144 U	<b>3.06 D</b>	<b>0.0562 JD</b>	<0.0953 U
Benzo(g,h,i)Perylene	191-24-2	100	100	1000	mg/kg	4.09 D	<0.0973 U	<0.119 U	0.0987 D	<0.161 U	34.5 D	0.101 D	<0.144 U	1.79 D	<0.0951 U	<0.0953 U
Benzo(k)fluoranthene	207-08-9	<b>0.8</b>	<b>3.9</b>	<b>1.7</b>	mg/kg	<b>2.2 D</b>	<0.0973 U	<0.119 U	0.055 JD	<0.161 U	<b>24.8 D</b>	0.0883 JD	<0.144 U	<b>1.03 D</b>	<0.0951 U	<0.0953 U
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>0.676 D</b>	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.0902 U	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<b>0.0469 JD</b>	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<0.0937 U	<0.0995 U	<0.144 U	<0.0922 U	<0.0951 U	<0.0953 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.18 U	<0.194 U	<0.238 U	<0.188 U	<0.322 U	<0.187 U	<0.199 U	<0.289 U	<0.184 U	<0.19 U	<0.19 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.2 D	<0.0973 U	<0.119 U	<0.0942 U	<0.161 U	<b>6.97 D</b>	<0.0995 U	<0.144 U	<b>0.147 D</b>	<0.0951 U	<0.0953 U
Chrysene	218-01-9	<b>1</b>	<b>3.9</b>	<b>1</b>	mg/kg	<b>4.65 D</b>	0.0988 D	<0.119 U	0.127 D	<0.161 U	<b>56.9 D</b>	0.178 D	<0.144 U	<b>2.23 D</b>	<0.0951 U	&lt

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location												
					Sample Name	RIB01	RIB01	RIB01	RIB01	RIB01	RIB01	RIB02	RIB02	RIB02	RIB03	RIB03	RIB03
					Sample Date	RIB01_0-2	RIB01_11.5-13.5	RIB01_25.7-27.5	RIB01_W_15-16	RIB01_W_17-18	RIB02_0-2	RIB02_15.5-17.5	RIB02_20-21	RIB03_0-2	RIB03_10.5-12.5	RIB03_10.5-12.5	
					Sample Depth	0-2	11.5-13.5	25.7-27.5	15-16	17-18	0-2	15.5-17.5	20-21	0-2	10.5-12.5	10.5-12.5	
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
<b>Pesticides</b>																	
4,4'-DDD	72-54-8	0.0033	13	14	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
4,4'-DDE	72-55-9	0.0033	8.9	17	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
4,4'-DDT	50-29-3	0.0033	7.9	136	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<b>0.00303 D</b>	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Aldrin	309-00-2	0.005	0.097	0.19	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	0.02	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Alpha Chlordane	5103-71-9	0.094	4.2	2.9	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Alpha Endosulfan	959-98-8	2.4	24	102	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	0.09	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Beta Endosulfan	33213-65-9	2.4	24	102	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0358 U	<0.0386 U	<0.0473 U	<0.0377 U	<0.0377 U	<0.0629 U	<0.0394 U	<0.0564 U	<0.0363 U	<0.0379 U	<0.0376 U	
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	0.25	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Dieldrin	60-57-1	0.005	0.2	0.1	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Endosulfan Sulfate	1031-07-8	2.4	24	1000	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Endrin	72-20-8	0.014	11	0.06	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	0.1	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Heptachlor	76-44-8	0.042	2.1	0.38	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00179 U	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<0.00182 U	<0.00189 U	<0.00188 U	
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<b>0.00423 D</b>	<0.00193 U	<0.00236 U	<0.00188 U	<0.00315 U	<0.00188 U	<0.00197 U	<0.00282 U	<b>0.00303 D</b>	<0.00189 U	<0.00188 U	
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.179 U	<0.193 U	<0.236 U	<0.188 U	<0.315 U	<0.188 U	<0.197 U	<0.282 U	<0.182 U	<0.189 U	<0.188 U	
<b>Herbicides</b>																	
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0213 U	<0.0232 U	<0.0286 U	<0.023 U	<0.0379 U	<0.0227 U	<0.0239 U	<0.034 U	<0.0222 U	<0.0228 U	<0.0229 U	
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0213 U	<0.0232 U	<0.0286 U	<0.023 U	<0.0379 U	<0.0227 U	<0.0239 U	<0.034 U	<0.0222 U	<0.0228 U	<0.0229 U	
Silvex (2,4,5-Tp)	93-72-1	3.8	100	3.8	mg/kg	<0.0213 U	<0.0232 U	<0.0286 U	<0.023 U	<0.0379 U	<0.0227 U	<0.0239 U	<0.034 U	<0.0222 U	<0.0228 U	<0.0229 U	
<b>Polychlorinated Biphenyl</b>																	
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
Total PCBs	1336-36-3	0.1	1	3.2	mg/kg	<0.0181 U	<0.0195 U	<0.0239 U	<0.0189 U	<0.0318 U	<0.019 U	<0.0199 U	<0.0285 U	<0.0184 U	<0.0191 U	<0.019 U	
<b>Metals</b>																	
Aluminum	7429-90-5	NS	NS	NS	mg/kg	6,180	7,540	10,400	6,590	20,300	8,440	8,190	21,100	7,530	10,300	10,500	
Antimony	7440-36-0	NS	NS	NS	mg/kg	3.28	4.19	4.9	2.83	9.2 J	2.62	2.86 J	13	2.73	3.66	3.91	
Arsenic	7440-38-2	<b>13</b>	<b>16</b>	<b>16</b>	mg/kg	12.5	9.85	10.9	7.92	<b>18.4</b>	<b>25</b>	<b>8.5</b>	<b>29.9</b>	11.3	8.85	8.59	
Barium	7440-39-3	<b>350</b>	<b>400</b>	<b>820</b>	mg/kg	131	34.4	61.9	162	<b>39.8 J</b>	<b>495</b>	57.4	48	191	45.6	52.7	
Beryllium	7440-41-7	7.2	72	47	mg/kg	0.116	0.165	<0.061 U	0.128	0.841	0.303	<0.05 U	0.694	0.179	0.173	0.194	
Cadmium	7440-43-9	<b>2.5</b>	4.3	7.5	mg/kg	<0.274 U	<0.296 U	<0.362 U	<0.291 U	<0.485 U	<b>2.59</b>	<0.299 U	<0.434 U	<0.28 U	<0.292 U	<0.29 U	
Calcium	7440-70-2	NS	NS	NS	mg/kg	12,800	1,690	2,380	4,810	3,270	59,500	4,360	2,270	16,000	3,350	2,500	
Chromium, Hexavalent	18540-29-9	1	110	19	mg/kg	<0.548 U	<0.591 U	<0.723 U	<0.582 U	<0.969 U	<0.573 U	<0.598 U	<0.869 U	<0.56 U	<0.583 U	<0.579 U	
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	12.8	10.3	20.9	18.2	30.4	22	13.5	34.1	16.7	14	15.2	
Chromium, Trivalent	16065-83-1	<b>30</b>	180	NS	mg/kg	12.8	10.3	20.9	18.2	<b>30.4</b>	22	13.5	<b>34.1</b>	16.7	14	15.2	
Cobalt	7440-48-4	NS	NS	NS	mg/kg	3.31	3.04	8.22	6.86	10.2	3.64	4.29	3.66	4.18	3.66	3.94	
Copper	7440-50-8	<b>50</b>	<b>270</b>	1720	mg/kg	<b>130</b>	6.88	16.5	18.8	10.8 J	<b>260</b>	11.4	8.95	<b>70</b>	14.1	12.3	
Cyanide	57-12-5	27	27	40	mg/kg	<0.548 U	<0.591 U	<0.723 U	<0.582 U	<0.969 U	<0.573 U	<0.598 U	<0.869 U	<0.56 U	<0.583 U	<0.579 U	
Iron	7439-89-6	NS	NS	NS	mg/kg	15,400	NS	16,100	13,200	31,100	20,400	14,100	41,200	13,900	13,700	13,000	
Lead	7439-92-1	<b>63</b>	<b>400</b>	<b>450</b>	mg/kg	<b>956</b>	62	32.7	<b>1,270</b>	46.2 J	<b>2,700</b>	<b>126 J</b>	33.6	<b>1,240</b>	<b>64.2</b>	62.8	
Magnesium	7439-95-4	NS	NS	NS	mg/kg	2,040	1,780	4,200	3,040	5,350	4,230	2,610	7,580	3,100	2,450	2,590	
Manganese	7439-96-5	1600	2000	2000	mg/kg	168	240	198	198	192 J	261	390	300	271	311	213	
Mercury	7439-97-6	<b>0.18</b>	<b>0.81</b>	<b>0.73</b>	mg/kg	<b>0.434</b>	<b>0.235</b>	0.0988	<b>7.1</b>	<0.0582 U	<b>82.6 D</b>	<b>0.232</b>	<0.0521 U	<b>3.42</b>	<b>0.194</b>		

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location	RIB01	RIB01	RIB01	RIB01	RIB01	RIB02	RIB02	RIB02	RIB03	RIB03	RIB03
					Sample Name	RIB01_0-2	RIB01_11.5-13.5	RIB01_25.7-27.5	RIB01_W_15-16	RIB01_W_17-18	RIB02_0-2	RIB02_15.5-17.5	RIB02_20-21	RIB03_0-2	RIB03_10.5-12.5	RIBDUP01_071723
					Sample Date	07/17/2023	07/17/2023	07/17/2023	07/19/2023	07/19/2023	07/18/2023	07/18/2023	07/18/2023	07/17/2023	07/17/2023	07/17/2023
					Sample Depth	0-2	11.5-13.5	25.7-27.5	15-16	17-18	0-2	15.5-17.5	20-21	0-2	10.5-12.5	10.5-12.5
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Perfluorooctanoic acids</b>																
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000824 UJ	<0.00088 UJ	<0.00109 UJ	<0.000873 UJ	<0.00146 UJ	<0.000863 UJ	<0.000894 UJ	<0.00131 UJ	<0.000843 UJ	<0.000878 UJ	<0.00087 UJ
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	NS	NS	mg/kg	<0.000817 U	<0.000873 U	<0.00108 UJ	<0.000866 UJ	<0.00145 UJ	<0.000856 UJ	<0.000887 UJ	<0.0013 UJ	<0.000837 U	<0.000872 UJ	<0.000863 U
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.00109 U	<0.00116 U	<0.00144 U	<0.00115 UJ	<0.00193 UJ	<0.00114 U	<0.00118 U	<0.00173 U	<0.00112 U	<0.00116 U	<0.00115 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000824 U	<0.00088 U	<0.00109 UJ	<0.000873 UJ	<0.00146 UJ	<0.000863 U	<0.000894 U	<0.00131 U	<0.000843 U	<0.000878 U	<0.00087 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00545 U	<0.00582 U	<0.00718 U	<0.00577 UJ	<0.00965 UJ	<0.00571 U	<0.00591 U	<0.00865 U	<0.00558 U	<0.00581 U	<0.00576 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00545 UJ	<0.00582 UJ	<0.00718 UJ	<0.00577 UJ	<0.00965 UJ	<0.00571 UJ	<0.00591 UJ	<0.00865 UJ	<0.00558 UJ	<0.00581 UJ	<0.00576 UJ
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000815 UJ	<0.00087 UJ	<0.00107 UJ	<0.000864 UJ	<0.00144 UJ	<0.000854 UJ	<0.000885 UJ	<0.00129 U	<0.000834 UJ	<0.000869 UJ	<0.000861 UJ
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NETFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000218 UJ	<0.000233 UJ	<0.000287 UJ	<0.000231 UJ	<0.000386 UJ	<0.000228 UJ	<0.000237 UJ	<0.000346 UJ	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 U	<0.00023 U
N-ethylperfluorooctane sulfonamide	1691-99-2	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 U	<0.00023 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 UJ	<0.000287 UJ	<0.000231 UJ	<0.000386 UJ	<0.000228 UJ	<0.000237 UJ	<0.000346 UJ	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.00218 U	<0.00233 U	<0.00287 U	<0.00231 UJ	<0.00386 UJ	<0.00228 U	<0.00237 U	<0.00346 U	<0.00223 U	<0.00232 U	<0.0023 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000436 U	<0.000465 U	<0.000574 U	<0.000462 UJ	<0.000772 UJ	<0.000457 U	<0.000473 U	<0.000692 U	<0.000446 U	<0.000465 U	<0.00046 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000388 U	<0.000414 U	<0.000511 U	<0.000411 UJ	<0.000687 UJ	<0.000406 U	<0.000421 U	<0.000616 U	<0.000397 U	<0.000414 U	<0.00041 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000436 U	<0.000465 U	<0.000574 U	<0.000462 UJ	<0.000772 UJ	<0.000457 U	<0.000473 U	<0.000692 U	<0.000446 U	<0.000465 U	<0.00046 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000436 U	<0.000465 U	<0.000574 U	<0.000462 UJ	<0.000772 UJ	<0.000457 U	<0.000473 U	<0.000692 U	<0.000446 U	<0.000465 U	<0.00046 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000193 U	<0.000206 U	<0.000254 U	<0.000204 UJ	<0.000342 UJ	<0.000209 UJ	<0.000209 UJ	<0.000306 U	<0.000197 U	<0.000206 U	<0.000204 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000872 U	<0.000931 U	<0.00115 U	<0.000924 UJ	<0.00154 UJ	<0.000913 U	<0.000946 U	<0.00138 U	<0.000892 U	<0.00093 U	<0.000921 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.00021 UJ	<0.000225 UJ	<0.000277 UJ	<0.000223 UJ	<0.000373 UJ	<0.00022 U	<0.000228 U	<0.000334 U	<0.000215 UJ	<0.000224 UJ	<0.000222 UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000211 U	<0.000226 U	<0.000278 U	<0.000224 UJ	<0.000375 UJ	<0.000221 UJ	<0.000229 UJ	<0.000336 UJ	<0.000216 U	<0.000225 U	<0.000223 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000199 U	<0.000213 U	<0.000263 U	<0.000211 UJ	<0.000353 UJ	<0.000209 U	<0.000216 UJ	<0.000317 U	<0.000204 U	<0.000213 U	<0.000211 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 UJ	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000209 U	<0.000223 U	<0.000276 U	<0.000222 UJ	<0.000371 UJ	<0.000219 U	<0.000227 U	<0.000332 U	<0.000214 U	<0.000223 UJ	<0.000221 UJ
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	0.001	mg/kg	0.000459 J	0.000209 J	0.000255 J	<0.000215 UJ	<0.000359 UJ	<0.000212 U	<0.00022 U	<0.000322 U	<0.000207 U	<0.000216 U	0.000458
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	0.0008	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	0.000262 J	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.000205 U	<0.000219 U	<0.00027 U	<0.000217 UJ	<0.000363 UJ	<0.000215 U	<0.000222 U	<0.000325 U	<0.00021 U	<0.000218 U	<0.000216 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000436 U	<0.000465 U	<0.000574 U	<0.000462 UJ	<0.000772 UJ	<0.000457 U	<0.000473 U	<0.000692 U	<0.000446 U	<0.000465 U	<0.00046 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000218 U	<0.000233 U	<0.000287 U	<0.000231 UJ	<0.000386 UJ	<0.000228 U	<0.000237 U	<0.000346 U	<0.000223 UJ	<0.000232 UJ	<0.00023 UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000837 UJ	<0.000894 U	<0.0011 U	<0.000887 UJ	<0.00148 UJ	<0.000877 UJ	<0.000908 UJ	<0.00133 UJ	<0.000857 UJ	<0.000892 UJ	<0.000884 UJ
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000828 UJ	<0.000884 U	<0.00109 U	<0.000878 UJ	<0.00147 UJ	<0.000867 UJ	<0.000899 UJ	<0.00132 UJ	<0.000848 UJ	<0.000883 UJ	<0.000875 UJ
Tetrafluoro-2-(heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000872 U	<0.000931 U	<0.00115 U	<0.000924 UJ	<0.00154 UJ	<0.000913 U	<0.000946 U	<0.00138 U	<0.000892 U	<0.00093 U	<0.000921 U

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location		RIB03	RIB04	RIB04	RIB04	RIB05	RIB05	RIB05	RIB05	RIB05	RIB06	RIB06
					Sample Name	RIB03_15-17	RIB04_0-2	RIB04_5-6	RIB04_21-23	RIB05_0-2	RIB05_10-12	RIB05_15-16	RIB05_D_95-97	RIB05_D_100-102	RIB06_0-2	RIB06_10-12	
					Sample Date	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/18/2023	07/26/2023	07/26/2023	07/18/2023	07/18/2023	
					Sample Depth	15-17	0-2	5-6	21-23	0-2	10-12	15-16	95-97	100-102	0-2	10-12	
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Volatile Organic Compounds</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	3.6	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	8.4	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.18 U	<0.12 U	<0.14 U	<0.22 U	<0.11 U	<0.09 U	<0.09 U	<0.087 U	<0.087 U	<0.14 U	<0.098 U	<0.098 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Acetone	67-64-1	0.05	100	0.05	mg/kg	0.083	0.089	0.064 J	0.056 J	0.071	0.027	0.021 J	0.015 J	<0.0087 U	<0.014 U	<0.0098 U	<0.0098 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.018 U	<0.012 U	<0.014 U	<0.022 U	<0.011 U	<0.009 U	<0.0097 U	<0.0087 U	<0.014 U	<0.0098 U	<0.0098 U	<0.0098 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Benzene	71-43-2	0.06	4.8	0.06	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Chlorobenzene	108-90-7	1.1	100	1.1	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Chloroform	67-66-3	0.37	49	0.37	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Ethylbenzene	100-41-4	1	41	1	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.018 U	<0.012 U	<0.014 U	<0.022 U	<0.011 U	<0.009 U	<0.0097 U	<0.0087 U	<0.014 U	<0.0098 U	<0.0098 U	<0.0098 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0089 U	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	<0.0045 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0071 U	<0.0049 U	<0.0049 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	0.12	mg/kg	0.0049 J	<0.006 U	<0.0069 U	<0.011 U	<0.0053 U	0.0						

**Table 4**  
Remedial Investigation Report  
Soil Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location													
					Sample Name	RIB03	RIB04	RIB04	RIB04	RIB05	RIB05	RIB05	RIB05	RIB05	RIB05	RIB06	RIB06	
					Sample Date	RIB03_15-17	RIB04_0-2	RIB04_5-6	RIB04_21-23	RIB05_0-2	RIB05_10-12	RIB05_15-16	RIB05_D_95-97	RIB05_100-102	RIB06_0-2	RIB06_10-12		
					Sample Depth	15-17	0-2	5-6	21-23	0-2	10-12	15-16	95-97	100-102	0-2	10-12		
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result			
<b>Semi-Volatile Organic Compounds</b>																		
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.0183 U	<0.0189 U	<0.0183 U	<0.019 U	<0.0196 U	<0.0196 U	<0.0196 U	NA	NA	<0.0183 U	<0.019 U		
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.125 U	0.0916 JD	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.125 U	1.06 D	1.21 D	<0.15 U	0.087 JD	0.0514 JD	<0.0997 U	<0.0984 U	<0.097 U	0.377 D	<0.0975 U		
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	0.33	mg/kg	<0.125 U	<0.0924 U	0.0554 JD	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	0.33	mg/kg	<0.125 U	<0.0924 U	0.118 D	0.124 D	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U		
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
Acenaphthene	83-32-9	20	100	98	mg/kg	<0.125 U	2.24 D	3.03 D	<0.15 U	0.0529 JD	0.213 D	0.0885 JD	<0.0984 U	<0.097 U	1.12 D	<0.0975 U		
Acenaphthylene	208-96-8	100	100	107	mg/kg	<0.125 U	1.16 D	0.874 D	<0.15 U	0.215 D	0.102 D	0.0542 JD	<0.0984 U	<0.097 U	0.183 D	<0.0975 U		
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.5 U	<0.37 U	<0.408 U	<0.599 U	<0.363 U	<0.384 U	<0.399 U	<0.394 U	<0.388 U	<0.416 U	<0.39 U		
Anthracene	120-12-7	100	100	1000	mg/kg	<0.125 U	5.14 D	7.39 D	0.0825 JD	0.272 D	0.386 D	0.293 D	<0.0984 U	<0.097 U	2.54 D	<0.0975 U		
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.5 U	<0.37 U	<0.408 U	<0.599 U	<0.363 U	<0.384 U	<0.399 U	<0.394 U	<0.388 U	<0.416 U	<0.39 U		
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	0.0829 JD	12 D	10.3 D	0.268 D	2.77 D	1.38 D	0.804 D	<0.0984 U	<0.097 U	6.02 D	0.0561 JD		
Benzo(a)pyrene	50-32-8	1	1	22	mg/kg	0.0709 JD	10.9 D	10.3 D	0.23 D	2.63 D	1.29 D	0.857 D	<0.0984 U	<0.097 U	4.75 D	0.0584 JD		
Benzo(b)fluoranthene	205-99-2	1	1	1.7	mg/kg	0.0899 JD	12.7 D	12 D	0.281 D	0.93 D	1.54 D	0.97 D	<0.0984 U	<0.097 U	4.18 D	0.0686 JD		
Benzo(g,h,i)perylene	191-24-2	100	100	1000	mg/kg	<0.125 U	7.17 D	5.42 D	0.126 JD	1.68 D	0.625 D	0.482 D	<0.0984 U	<0.097 U	3.05 D	<0.0975 U		
Benzo(k)fluoranthene	207-08-9	0.8	3.9	1.7	mg/kg	<0.125 U	4.54 D	4.4 D	0.103 JD	0.936 D	0.556 D	0.342 D	<0.0984 U	<0.097 U	2.06 D	<0.0975 U		
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	0.135 D	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	0.315 D	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	0.0956 JD	<0.0975 U		
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.125 U	<0.0924 U	<0.102 U	<0.15 U	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.125 U	0.0931 D	0.24 D	0.0753 JD	<0.0907 U	<0.096 U	<0.0997 U	<0.0984 U	<0.097 U	<0.104 U	<0.0975 U		
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.25 U	<0.185 U	<0.204 U	<0.299 U	<0.181 U	<0.192 U	<0.199 U	<0.197 U	<0.194 U	<0.208 U	<0.195 U		
Carbazole	86-74-8	NS	NS	NS	mg/kg	<0.125 U	2.27 D	0.0733 JD	<0.15 U	0.0573 JD	0.128 D	0.0948 JD	<0.0984 U	<0.097 U	0.979 D	<0.0975 U		
Chrysene	218-01-9	1	3.9	1	mg/kg	<0.125 U	11 D	10.1 D	0.249 D	2.86 D	1.37 D	0.749 D	<0.0984 U	<0.097 U	5.51 D	<0.0975 U		
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	1000	mg/kg	<0.125 U	1.06 D	1.43 D	<0.15 U	0.405 D	0.191 D	0.124 D	<0.0984 U	<0.097 U	0.953 D	<0.0975 U		
Dibenzofuran	132-64-9	7	59	210	mg/kg	<0.125 U	1.98 D	<0.102 U	<0.15 U	<0.0907 U	0.0982 D	0.0606 JD	<0.0984 U	<0.097 U	0.706 D	<0.0975 U		
Dibutyl phthalate																		

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location	RIB03	RIB04	RIB04	RIB04	RIB05	RIB05	RIB05	RIB05	RIB05	RIB06	RIB06
					Sample Name	RIB03_15-17	RIB04_0-2	RIB04_5-6	RIB04_21-23	RIB05_0-2	RIB05_10-12	RIB05_15-16	RIB05_D_95-97	RIB05_D_100-102	RIB06_0-2	RIB06_10-12
					Sample Date	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/17/2023	07/18/2023	07/26/2023	07/26/2023	07/18/2023	07/18/2023
					Sample Depth	15-17	0-2	5-6	21-23	0-2	10-12	15-16	95-97	100-102	0-2	10-12
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Pesticides</b>																
4,4'-DDD	72-54-8	0.0033	13	14	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
4,4'-DDE	72-55-9	0.0033	8.9	17	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
4,4'-DDT	50-29-3	0.0033	7.9	136	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Aldrin	309-00-2	0.005	0.097	0.19	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	0.02	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Alpha Chlordane	5103-71-9	0.094	4.2	2.9	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Alpha Endosulfan	959-98-8	2.4	24	102	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	0.09	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Beta Endosulfan	33213-65-9	2.4	24	102	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0498 U	<0.0368 U	<0.0399 U	<0.0354 U	<0.0398 U	<0.038 U	<0.0398 U	NA	NA	<0.0407 U	<0.0392 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	0.25	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Dieldrin	60-57-1	0.005	0.2	0.1	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Endosulfan Sulfate	1031-07-8	2.4	24	1000	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Endrin	72-20-8	0.014	11	0.06	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	0.1	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Heptachlor	76-44-8	0.042	2.1	0.38	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00249 U	<0.00184 U	<0.002 U	<0.003 U	<0.00177 U	<0.0019 U	<0.00199 U	NA	NA	<0.00204 U	<0.00196 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.249 U	<0.184 U	<0.2 U	<0.3 U	<0.177 U	<0.19 U	<0.199 U	NA	NA	<0.204 U	<0.196 U
<b>Herbicides</b>																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0298 U	<0.0226 U	<0.0243 U	<0.0366 U	<0.0215 U	<0.0232 U	<0.0243 U	NA	NA	<0.0248 U	<0.0231 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0298 U	<0.0226 U	<0.0243 U	<0.0366 U	<0.0215 U	<0.0232 U	<0.0243 U	NA	NA	<0.0248 U	<0.0231 U
Silvex (2,4,5-Tp)	93-72-1	3.8	100	3.8	mg/kg	<0.0298 U	<0.0226 U	<0.0243 U	<0.0366 U	<0.0215 U	<0.0232 U	<0.0243 U	NA	NA	<0.0248 U	<0.0231 U
<b>Polychlorinated Biphenyl</b>																
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
Total PCBs	1336-36-3	0.1	1	3.2	mg/kg	<0.0251 U	<0.0186 U	<0.0202 U	<0.0303 U	<0.0179 U	<0.0192 U	<0.0201 U	NA	NA	<0.0206 U	<0.0198 U
<b>Metals</b>																
Aluminum	7429-90-5	NS	NS	NS	mg/kg	9,820	8,700	6,400	9,750 J	7,790	7,150	6,220	NA	NA	9,860	9,880
Antimony	7440-36-0	NS	NS	NS	mg/kg	3.25	10.3	<2.56 U	<3.85 UJ	3.24	2.97	4.01	NA	NA	6.71	5.47
Arsenic	7440-38-2	13	16	16	mg/kg	9.64	22.5	29.8	8.32 J	11.3	12.2	9.66	NA	NA	15.2	11.5
Barium	7440-39-3	350	400	820	mg/kg	77.8	159	157	52.7 J	128	152	150	NA	NA	51.9	89
Beryllium	7440-41-7	7.2	72	47	mg/kg	<0.064 U	0.178	0.165	0.095 J	0.078	0.06	0.132	NA	NA	0.322	<0.05 U
Cadmium	7440-43-9	2.5	4.3	7.5	mg/kg	<0.383 U	<0.284 U	<0.308 U	<0.462 U	<0.273 U	<0.292 U	<0.307 U	NA	NA	<0.314 U	<0.298 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	3,650	9,240	19,800	4,610	20,000	7,180	14,200	NA	NA	5,040	2,930
Chromium, Hexavalent	18540-29-9	1	110	19	mg/kg	<0.767 U	<0.567 U	<0.615 U	<0.923 UJ	<0.546 U	<0.585 U	<0.614 U	NA	NA	<0.628 U	<0.596 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	21	23.7	12.7	19.6 J	28.1	16.3	12.5	NA	NA	14.6	20.7
Chromium, Trivalent	16065-83-1	30	180	NS	mg/kg	21	23.7	12.7	19.6	28.1	16.3	12.5	NA	NA	14.6	20.7
Cobalt	7440-48-4	NS	NS	NS	mg/kg	3.27	4.03	4.18	2.38 J	5.96	5.11	3.73	NA	NA	2.09	6.99
Copper	7440-50-8	50	270	1720	mg/kg	14.8	1,230	75.5	11.5 J	73.6	27.4	79.4	NA	NA	19.2	42.5
Cyanide	57-12-5	27	27	40	mg/kg	<0.767 U	<0.567 U	3.81	<0.923 U	<0.546 U	<0.585 U	<0.614 U	<0.602 U	<0.593 U	<0.628 U	2.98
Iron	7439-89-6	NS	NS	NS	mg/kg	11,700	27,300	25,100	6,120 J	13,700	12,200	13,200	NA	NA	18,900	16,400
Lead	7439-92-1	63	400	450	mg/kg	80	747	2,520	86.3 J	274	308	332	NA	NA	95.2	304
Magnesium	7439-95-4	NS	NS	NS	mg/kg	2,780	2,940	1,920	2,360 J	5,400	2,260	2,720	NA	NA	2,160	4,430
Manganese	7439-96-5	1600	2000	2000	mg/kg	155	453	160	111 J	277	181	204	NA	NA	185	376
Mercury	7439-97-6	0.18	0.81	0.73	mg/kg	0.429	3.23	1.89	0.483	1.68	2.04	8.35	NA	NA	7.33	8.7
Nickel	7440-02-0	30	310	130	mg/kg	20	28.7	21.2	14.5 J	55.6	32.5	17.7	NA	NA	18	45.8
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,890	1,140	1,100	2,270 J	1,310	1,150	1,170 B	NA	NA	1,210 B	2,170 B
Selenium	7782-49-2	3.9	180	4	mg/kg	<3.19 UJ	<2.36 UJ	<2.56 UJ	<3.85 UJ	<2.27 UJ	<2.44 UJ	<2.56 UJ	NA	NA	<2.61 UJ	<2.48 UJ
Silver	7440-22-4	2	180	8.3	mg/kg	<0.644 U	<0.476 U	<0.517 U	<0.776 UJ	<0.458 U	<0.491 U	<0.515 U	NA	NA	<0.527 U	<0.501 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	1,270	574	54								



**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location		RIB06	RIB07	RIB07	RIB07	RIB08	RIB08	RIB08	RIB09	RIB09	RIB09	RIB10
					Sample Name	RIB06_15-16	RIB07_8-10	RIB07_13-15	RIB07_21-22	RIB08_8-10	RIB08_13-15	RIB08_21-23	RIB09_0-2	RIB09_10-12	RIB09_15-16.5	RIB10_0-2	
					Sample Date	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/14/2023	07/14/2023	07/14/2023	07/18/2023	
					Sample Depth	15-16	8-10	13-15	21-22	8-10	13-15	21-23	0-2	10-12	15-16.5	0-2	
						Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	3.6	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	8.4	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.093 U	<0.091 U	<0.11 U	<0.17 U	<0.12 U	<0.1 U	<0.17 U	<0.1 U	<0.1 U	<0.16 U	<0.093 U	<0.093 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Acetone	67-64-1	0.05	100	0.05	mg/kg	0.014 J	<0.0091 U	0.044 J	0.17	0.061 J	0.062 J	0.086	0.034 J	0.047 J	0.024 J	<0.0093 U	<0.0093 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0093 U	<0.0091 U	<0.011 U	<0.017 U	<0.012 U	<0.01 U	<0.017 U	<0.016 U	<0.01 U	<0.016 U	<0.0093 U	<0.0093 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Benzene	71-43-2	0.06	4.8	0.06	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Chlorobenzene	108-90-7	1.1	100	1.1	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Chloroform	67-66-3	0.37	49	0.37	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Ethylbenzene	100-41-4	1	41	1	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0093 U	<0.0091 U	<0.011 U	<0.017 U	<0.012 U	<0.01 U	<0.017 U	<0.016 U	<0.01 U	<0.016 U	<0.0093 U	<0.0093 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	<0.0085 U	<0.006 U	<0.0051 U	<0.0087 U	<0.0089 U	<0.005 U	<0.0078 U	<0.0046 U	<0.0046 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	0.12	mg/kg	<0.0046 U	<0.0046 U	<0.0055 U	0.013	<0.006 U							

**Table 4**  
Remedial Investigation Report  
Soil Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location		RIB06	RIB07	RIB07	RIB07	RIB08	RIB08	RIB08	RIB09	RIB09	RIB09	RIB10
					Sample Name	RIB06_15-16	RIB07_8-10	RIB07_13-15	RIB07_21-22	RIB08_8-10	RIB08_13-15	RIB08_21-23	RIB09_0-2	RIB09_10-12	RIB09_15-16.5	RIB10_0-2	
					Sample Date	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/14/2023	07/14/2023	07/14/2023	07/18/2023	
					Sample Depth	15-16	8-10	13-15	21-22	8-10	13-15	21-23	0-2	10-12	15-16.5	0-2	
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Semi-Volatile Organic Compounds</b>																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.0187 U	<0.0187 U	<0.0183 U	<0.0187 U	<0.0198 U	<0.019 U	<0.0192 U	<0.0192 U	<0.0189 U	<0.0189 U	<0.019 U	<0.019 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	0.202 D	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	0.0551 JD	<0.152 U	4.21 D	0.282 D	<0.11 U	<0.102 U	<0.102 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	0.33	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	0.107 D	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	0.33	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	0.272 D	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<0.194 U	<0.22 U	<0.203 U	<0.203 U
Acenaphthene	83-32-9	20	100	98	mg/kg	0.123 D	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	0.178 D	<0.152 U	11.5 D	0.569 D	<0.11 U	<0.102 U	<0.102 U
Acenaphthylene	208-96-8	100	100	107	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	3.55 D	0.147 D	<0.11 U	<0.102 U	<0.102 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.41 U	<0.39 U	<0.406 U	<0.533 U	<0.465 U	<0.4 U	<0.607 U	<0.396 U	<0.39 U	<0.441 U	<0.407 U	<0.407 U
Anthracene	120-12-7	100	100	1000	mg/kg	1.02 D	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	0.424 D	<0.152 U	27.1 D	1.34 D	<0.11 U	<0.102 U	<0.102 U
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.41 U	<0.39 U	<0.406 U	<0.533 U	<0.465 U	<0.4 U	<0.607 U	<0.396 U	<0.39 U	<0.441 U	<0.407 U	<0.407 U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	0.437 D	0.128 D	<0.101 U	<0.133 U	<0.116 U	1.1 D	<0.152 U	79.2 D	2.37 D	0.136 D	0.163 D	0.163 D
Benzo(a)pyrene	50-32-8	1	1	22	mg/kg	0.435 D	0.139 D	<0.101 U	<0.133 U	<0.116 U	0.988 D	<0.152 U	78.1 D	1.68 D	0.12 D	0.125 D	0.125 D
Benzo(b)fluoranthene	205-99-2	1	1	1.7	mg/kg	0.475 D	0.167 D	<0.101 U	<0.133 U	<0.116 U	0.0659 JD	<0.152 U	90.7 D	2.13 D	0.148 D	0.111 D	0.111 D
Benzo(g,h,i)Perylene	191-24-2	100	100	1000	mg/kg	0.226 D	0.0771 JD	<0.101 U	<0.133 U	<0.116 U	0.515 D	<0.152 U	50.7 D	0.894 D	0.0758 JD	0.0788 JD	0.0788 JD
Benzo(k)fluoranthene	207-08-9	0.8	3.9	1.7	mg/kg	0.16 D	0.0654 JD	<0.101 U	<0.133 U	<0.116 U	0.465 D	<0.152 U	25.6 D	0.734 D	0.0573 JD	0.108 D	0.108 D
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	1.19 D	0.0692 JD	<0.11 U	<0.102 U	<0.102 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.102 U	<0.0975 U	<0.101 U	<0.133 U	<0.116 U	<0.0999 U	<0.152 U	<0.0999 U	<0.0973 U	<0.11 U	<0.102 U	<0.102 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.205 U	<0.195 U	<0.203 U	<0.266 U	<0.232 U	<0.199 U	<0.303 U	<0.198 U	<			

**Table 4**  
Remedial Investigation Report  
Soil Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location	RIB06	RIB07	RIB07	RIB07	RIB08	RIB08	RIB08	RIB09	RIB09	RIB09	RIB10
					Sample Name	RIB06_15-16	RIB07_8-10	RIB07_13-15	RIB07_21-22	RIB08_8-10	RIB08_13-15	RIB08_21-23	RIB09_0-2	RIB09_10-12	RIB09_15-16.5	RIB10_0-2
					Sample Date	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	07/14/2023	07/14/2023	07/14/2023	07/18/2023
					Sample Depth	15-16	8-10	13-15	21-22	8-10	13-15	21-23	0-2	10-12	15-16.5	0-2
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Pesticides</b>																
4,4'-DDD	72-54-8	0.0033	13	14	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
4,4'-DDE	72-55-9	0.0033	8.9	17	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
4,4'-DDT	50-29-3	0.0033	7.9	136	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Aldrin	309-00-2	0.005	0.097	0.19	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	0.02	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Alpha Chlordane	5103-71-9	0.094	4.2	2.9	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Alpha Endosulfan	959-98-8	2.4	24	102	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	0.09	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Beta Endosulfan	33213-65-9	2.4	24	102	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.04 U	<0.0377 U	<0.0408 U	<0.0457 U	<0.0457 U	<0.04 U	<0.0606 U	<0.0389 U	<0.0385 U	<0.0437 U	<0.0393 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	0.25	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Dieldrin	60-57-1	0.005	0.2	0.1	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Endosulfan Sulfate	1031-07-8	2.4	24	1000	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Endrin	72-20-8	0.014	11	0.06	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	0.1	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Heptachlor	76-44-8	0.042	2.1	0.38	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.002 U	<0.00188 U	<0.00204 U	<0.00264 U	<0.00228 U	<0.002 U	<0.00303 U	<0.00194 U	<0.00192 U	<0.00218 U	<0.00197 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.2 U	<0.188 U	<0.204 U	<0.264 U	<0.228 U	<0.2 U	<0.303 U	<0.194 U	<0.192 U	<0.218 U	<0.197 U
<b>Herbicides</b>																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0243 U	<0.0232 U	<0.0248 U	<0.0313 U	<0.0275 U	<0.0239 U	<0.0364 U	<0.0236 U	<0.0232 U	<0.0265 U	<0.0241 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0243 U	<0.0232 U	<0.0248 U	<0.0313 U	<0.0275 U	<0.0239 U	<0.0364 U	<0.0236 U	<0.0232 U	<0.0265 U	<0.0241 U
Silvex (2,4,5-Tp)	93-72-1	3.8	100	3.8	mg/kg	<0.0243 U	<0.0232 U	<0.0248 U	<0.0313 U	<0.0275 U	<0.0239 U	<0.0364 U	<0.0236 U	<0.0232 U	<0.0265 U	<0.0241 U
<b>Polychlorinated Biphenyl</b>																
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
Total PCBs	1336-36-3	0.1	1	3.2	mg/kg	<0.0202 U	<0.019 U	<0.0206 U	<0.0267 U	<0.0231 U	<0.0202 U	<0.0306 U	<0.0196 U	<0.0194 U	<0.022 U	<0.0198 U
<b>Metals</b>																
Aluminum	7429-90-5	NS	NS	NS	mg/kg	8,750	7,140	6,260	37,700	7,730	9,210	27,200	4,790	6,740	4,060	8,160
Antimony	7440-36-0	NS	NS	NS	mg/kg	5.43	<2.44 U	2.84	12.7	6.47	3.55	16.2	2.53	3.41	<2.77 U	3.42
Arsenic	7440-38-2	13	16	16	mg/kg	15.2	7.62	7.25	25.9	24.9	10.5	40.4	37.1	10.8 J	12.5 J	14
Barium	7440-39-3	350	400	820	mg/kg	136	61.6	37.4	123	238	71.4	52.1	258 J	90.5 J	162 J	469
Beryllium	7440-41-7	7.2	72	47	mg/kg	0.137	0.148	0.086	1.49	0.544	0.272	0.984	0.21 J	<0.049 U	0.099 J	0.538
Cadmium	7440-43-9	2.5	4.3	7.5	mg/kg	<0.308 U	<0.293 U	<0.312 U	<0.403 U	<0.354 U	<0.304 U	<0.461 U	1.65 J	<0.292 U	<0.332 U	<0.306 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	4,540	29,400	2,490	3,090	49,800	15,100	3,060	22,200	4,060	19,500	9,290
Chromium, Hexavalent	18540-29-9	1	110	19	mg/kg	<0.616 U	<0.586 U	<0.624 U	<0.805 U	<0.708 U	<0.609 U	<0.921 U	<0.593 U	<0.585 U	<0.664 U	<0.612 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	17.7	13.7	13.8	60.4	65.5	16.8	43.8	23 J	17.5 J	8.23 J	18.4
Chromium, Trivalent	16065-83-1	30	180	NS	mg/kg	17.7	13.7	13.8	60.4	65.5	16.8	43.8	23	17.5	8.23	18.4
Cobalt	7440-48-4	NS	NS	NS	mg/kg	4.7	6.34	5.62	21.6	13.5	6.86	13.5	6.93 J	7.54 J	4.38 J	8.25
Copper	7440-50-8	50	270	1720	mg/kg	38.2	17.7	11.6	54.6	111	19.6	15.3	178 J	16.8 J	183 J	46.8
Cyanide	57-12-5	27	27	40	mg/kg	<0.616 U	<0.586 U	<0.624 U	<0.805 U	<0.708 U	<0.609 U	<0.921 U	1.36	<0.585 U	<0.664 U	<0.612 U
Iron	7439-89-6	NS	NS	NS	mg/kg	17,900	11,500	11,400	44,200	31,900	16,700	57,500	13,900	11,700	6,330	12,000
Lead	7439-92-1	63	400	450	mg/kg	207	74.8	22.7	76.9	832	137	43.9	1,130 J	105 J	237 J	989
Magnesium	7439-95-4	NS	NS	NS	mg/kg	2,780	3,220	2,740	9,500	3,540	2,760	8,450	2,240	2,720	826	1,580
Manganese	7439-96-5	1600	2000	2000	mg/kg	193	185	152	676	676	187	460	223 J	347 J	172 J	256
Mercury	7439-97-6	0.18	0.81	0.73	mg/kg	1.26	0.296	<0.0375 U	0.173	3.1	0.213	<0.0553 U	6.99	0.365	0.763	16.1 D
Nickel	7440-02-0	30	310	130	mg/kg	33.6	26.1	17.3	96.5	47.8	22.1					

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location											
					Sample Name	RIB06	RIB07	RIB07	RIB07	RIB08	RIB08	RIB08	RIB09	RIB09	RIB09	RIB10
					Sample Date	RIB06_15-16	RIB07_8-10	RIB07_13-15	RIB07_21-22	RIB08_8-10	RIB08_13-15	RIB08_21-23	RIB09_0-2	RIB09_10-12	RIB09_15-16.5	RIB10_0-2
					Sample Depth	15-16	8-10	13-15	21-22	8-10	13-15	21-23	0-2	10-12	15-16.5	0-2
					Unit	Result										
<b>Perfluorooctanoic acids</b>																
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000919 UJ	<0.000872 UJ	<0.000927 UJ	<0.00121 UJ	<0.00107 UJ	<0.000913 UJ	<0.00139 UJ	<0.000888 UJ	<0.000879 UJ	<0.000992 UJ	<0.000912 UJ
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	NS	NS	mg/kg	<0.000912 UJ	<0.000865 UJ	<0.00092 UJ	<0.0012 UJ	<0.00106 UJ	<0.000906 UJ	<0.00138 UJ	<0.000881 UJ	<0.000872 UJ	<0.000984 UJ	<0.000905 UJ
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.00122 U	<0.00115 UJ	<0.00123 UJ	<0.0016 UJ	<0.00141 UJ	<0.00121 UJ	<0.00184 UJ	<0.00117 UJ	<0.00116 UJ	<0.00131 UJ	<0.00121 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000919 U	<0.000872 UJ	<0.000927 UJ	<0.00121 UJ	<0.00107 UJ	<0.000913 UJ	<0.00139 UJ	<0.000888 UJ	<0.000879 UJ	<0.000992 UJ	<0.000912 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00608 U	<0.00577 UJ	<0.00613 UJ	<0.00801 UJ	<0.00705 UJ	<0.00604 UJ	<0.00919 UJ	<0.00587 UJ	<0.00581 UJ	<0.00656 UJ	<0.00603 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00608 UJ	<0.00577 UJ	<0.00613 UJ	<0.00801 UJ	<0.00705 UJ	<0.00604 UJ	<0.00919 UJ	<0.00587 UJ	<0.00581 UJ	<0.00656 UJ	<0.00603 UJ
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000909 U	<0.000863 UJ	<0.000918 UJ	<0.0012 UJ	<0.00106 UJ	<0.000903 UJ	<0.00138 UJ	<0.000879 UJ	<0.00087 UJ	<0.000981 UJ	<0.000902 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000243 UJ	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 UJ
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
N-ethylperfluorooctane sulfonamide	1691-99-2	NS	NS	NS	mg/kg	<0.00243 U	<0.00231 UJ	<0.00245 UJ	<0.0032 UJ	<0.00282 UJ	<0.00242 UJ	<0.00368 UJ	<0.00235 UJ	<0.00233 UJ	<0.00262 UJ	<0.00241 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000243 UJ	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 UJ
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.00243 U	<0.00231 UJ	<0.00245 UJ	<0.0032 UJ	<0.00282 UJ	<0.00242 UJ	<0.00368 UJ	<0.00235 UJ	<0.00233 UJ	<0.00262 UJ	<0.00241 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000486 U	<0.000462 UJ	<0.000491 UJ	<0.00064 UJ	<0.000564 UJ	<0.000483 UJ	<0.000735 UJ	<0.00047 UJ	<0.000465 UJ	<0.000525 UJ	<0.000483 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000433 U	<0.000411 UJ	<0.000437 UJ	<0.00057 UJ	<0.000502 UJ	<0.00043 UJ	<0.000654 UJ	<0.000418 UJ	<0.000414 UJ	<0.000467 UJ	<0.000429 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000486 U	<0.000462 UJ	<0.000491 UJ	<0.00064 UJ	<0.000564 UJ	<0.000483 UJ	<0.000735 UJ	<0.00047 UJ	<0.000465 UJ	<0.000525 UJ	<0.000483 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000486 U	<0.000462 UJ	<0.000491 UJ	<0.00064 UJ	<0.000564 UJ	<0.000483 UJ	<0.000735 UJ	<0.00047 UJ	<0.000465 UJ	<0.000525 UJ	<0.000483 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000215 U	<0.000204 UJ	<0.000217 UJ	<0.000283 UJ	<0.00025 UJ	<0.000214 UJ	<0.000325 UJ	<0.000208 UJ	<0.000206 UJ	<0.000232 UJ	<0.000214 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000972 U	<0.000923 UJ	<0.000981 UJ	<0.00128 UJ	<0.00113 UJ	<0.000966 UJ	<0.00147 UJ	<0.00094 UJ	<0.00093 UJ	<0.00105 UJ	<0.000965 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000235 U	<0.000223 UJ	<0.000237 UJ	<0.000309 UJ	<0.000272 UJ	<0.000233 UJ	<0.000355 UJ	<0.000227 UJ	<0.000224 UJ	<0.000253 UJ	<0.000233 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000236 UJ	<0.000224 UJ	<0.000238 UJ	<0.000311 UJ	<0.000274 UJ	<0.000234 UJ	<0.000357 UJ	<0.000228 UJ	<0.000226 UJ	<0.000254 UJ	<0.000234 UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000222 U	<0.000211 UJ	<0.000224 UJ	<0.000293 UJ	<0.000258 UJ	<0.000221 UJ	<0.000336 UJ	<0.000215 UJ	<0.000213 UJ	<0.00024 UJ	<0.000221 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000243 UJ	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000233 U	<0.000222 UJ	<0.000236 UJ	<0.000307 UJ	<0.000271 UJ	<0.000232 UJ	<0.000353 UJ	<0.000226 UJ	<0.000223 UJ	<0.000252 UJ	<0.000232 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	0.001	mg/kg	<0.000226 U	<0.000215 UJ	<0.000228 UJ	<0.000298 UJ	<0.000262 UJ	<0.000225 UJ	<0.000342 UJ	<0.000218 UJ	<0.000216 UJ	<0.000244 UJ	<0.000224 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	0.0008	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.000229 U	<0.000217 UJ	<0.000231 UJ	<0.000301 UJ	<0.000265 UJ	<0.000227 UJ	<0.000346 UJ	<0.000221 UJ	<0.000219 UJ	<0.000247 UJ	<0.000227 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000486 U	<0.000462 UJ	<0.000491 UJ	<0.00064 UJ	<0.000564 UJ	<0.000483 UJ	<0.000735 UJ	<0.00047 UJ	<0.000465 UJ	<0.000525 UJ	<0.000483 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluorotridecanoic Acid (PFTTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000243 U	<0.000231 UJ	<0.000245 UJ	<0.00032 UJ	<0.000282 UJ	<0.000242 UJ	<0.000368 UJ	<0.000235 UJ	<0.000233 UJ	<0.000262 UJ	<0.000241 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000934 U	<0.000886 UJ	<0.000942 UJ	<0.00123 UJ	<0.00108 UJ	<0.000928 UJ	<0.00141 UJ	<0.000902 UJ	<0.000893 UJ	<0.00101 UJ	<0.000926 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000924 UJ	<0.000877 UJ	<0.000932 UJ	<0.00122 UJ	<0.00107 UJ	<0.000918 UJ	<0.0014 UJ	<0.000893 UJ	<0.000884 UJ	<0.000997 UJ	<0.000917 UJ
Tetrafluoro-2-(heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000972 U	<0.000923 UJ	<0.000981 UJ	<0.00128 UJ	<0.00113 UJ	<0.000966 UJ	<0.00147 UJ	<0.00094 UJ	<0.00093 UJ	<0.00105 UJ	<0.000965 U

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location									
					Sample Name	RIB10	RIB10	RIB10	RIB11	RIB11	RIB11	RIB12	RIB12	RIB12
					Sample Date	RIB10_10-12	RIB10_18-20	RIDUP02_071823	RIB11_0-2	RIB11_5-7	RIB11_20-22	RIB12_0-2	RIB12_10-12	RIB12_18-20
					Sample Depth	10-12	18-20	18-20	0-2	5-7	20-22	0-2	10-12	18-20
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds</b>														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	3.6	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	8.4	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.095 U	<0.11 U	<0.15 U	<0.15 U	<0.16 U	<0.16 U	<0.15 U	<0.1 U	<0.09 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Acetone	67-64-1	<b>0.05</b>	100	<b>0.05</b>	mg/kg	<b>0.047 J</b>	<b>0.048 J</b>	<b>0.026 J</b>	<b>0.019 J</b>	<b>0.024</b>	<b>0.06</b>	<b>0.047 J</b>	<b>0.029 J</b>	<b>0.064 J</b>
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0095 U	<0.011 U	<0.015 U	<0.011 U	<0.016 U	<0.016 U	<0.015 U	<0.01 U	<0.009 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Benzene	71-43-2	<b>0.06</b>	4.8	<b>0.06</b>	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Chlorobenzene	108-90-7	1.1	100	1.1	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Chloroform	67-66-3	0.37	49	0.37	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Ethylbenzene	100-41-4	1	41	1	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0095 U	<0.011 U	<0.015 U	<0.011 U	<0.016 U	<0.016 U	<0.015 U	<0.01 U	<0.009 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	0.12	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<b>0.0048 J</b>	<0.0075 U	<0.0051 U	<b>0.0044 J</b>
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Methylene Chloride	75-09-2	0.05	100	0.05	mg/kg	<0.0095 U	<0.011 U	<0.015 U	<0.011 U	<0.016 U	<0.016 U	<0.015 U	<0.01 U	<0.009 U
n-Butylbenzene	104-51-8	<b>12</b>	100	<b>12</b>	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
n-Propylbenzene	103-65-1	<b>3.9</b>	100	<b>3.9</b>	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Sec-Butylbenzene	135-98-8	<b>11</b>	100	<b>11</b>	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
T-Butylbenzene	98-06-6	5.9	100	5.9	mg/kg	<0.0048 U	<0.0053 U	<0.0076 U	<0.0054 U	<0.0082 U	<0.0082 U	<0.0075 U	<0.0051 U	<0.0045 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	<0.0048 U	<0.0053 U	<0.0						

**Table 4**  
Remedial Investigation Report  
Soil Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location										
					Sample Name	RIB10	RIB10	RIB10	RIB11	RIB11	RIB11	RIB12	RIB12	RIB12	
					Sample Date	RIB10_10-12	RIB10_18-20	RIDUP02_071823	RIB11_0-2	RIB11_5-7	RIB11_20-22	RIB12_0-2	RIB12_10-12	RIB12_18-20	
					Sample Depth	10-12	18-20	18-20	0-2	5-7	20-22	0-2	10-12	18-20	
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Semi-Volatile Organic Compounds</b>															
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	0.1	mg/kg	<0.0185 U	<0.0185 U	<0.0183 U	<0.0196 U	<0.0192 U	<0.0196 U	<0.0192 U	<0.019 U	<0.0198 U	
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	0.0855 JD	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	2.17 D	0.144 D	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	0.33	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	0.33	mg/kg	<0.0979 U	<0.105 U	<0.107 U	0.103 D	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
Acenaphthene	83-32-9	20	100	98	mg/kg	<0.0979 U	<0.105 U	<0.107 U	6.02 D	0.4 D	<0.145 U	0.0615 JD	<0.0951 U	<0.101 U	
Acenaphthylene	208-96-8	100	100	107	mg/kg	<0.0979 U	<0.105 U	<0.107 U	1.71 D	0.2 D	<0.145 U	0.0623 JD	0.0745 JD	<0.101 U	
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.392 U	<0.421 U	<0.429 U	<0.36 U	<0.423 U	<0.581 U	<0.4 U	<0.381 U	<0.404 U	
Anthracene	120-12-7	100	100	1000	mg/kg	<0.0979 U	<0.105 U	<0.107 U	14.5 D	1.13 D	0.185 D	0.163 D	0.122 D	<0.101 U	
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.392 U	<0.421 U	<0.429 U	<0.36 U	<0.423 U	<0.581 U	<0.4 U	<0.381 U	<0.404 U	
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	<0.0979 U	<0.105 U	<0.107 U	27.2 D	2.05 D	0.378 D	0.666 D	0.502 D	<0.101 U	
Benzo(a)pyrene	50-32-8	1	1	22	mg/kg	<0.0979 U	<0.105 U	<0.107 U	30.4 D	1.79 D	0.374 D	0.607 D	0.443 D	<0.101 U	
Benzo(b)fluoranthene	205-99-2	1	1	1.7	mg/kg	<0.0979 U	<0.105 U	<0.107 U	34.5 D	1.97 D	0.402 D	0.747 D	0.546 D	<0.101 U	
Benzo(g,h,i)Perylene	191-24-2	100	100	1000	mg/kg	<0.0979 U	<0.105 U	<0.107 U	17.7 D	1.04 D	0.215 D	0.408 D	0.26 D	<0.101 U	
Benzo(k)fluoranthene	207-08-9	0.8	3.9	1.7	mg/kg	<0.0979 U	<0.105 U	<0.107 U	12.8 D	0.669 D	0.133 JD	0.275 D	0.211 D	<0.101 U	
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	0.471 D	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
Carbazole	86-74-8	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	2.7 D	0.241 D	<0.145 U	0.0583 JD	<0.0951 U	<0.101 U	
Chrysene	218-01-9	1	3.9	1	mg/kg	<0.0979 U	<0.105 U	<0.107 U	27.3 D	1.89 D	0.345 D	0.69 D	0.5 D	<0.101 U	
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	1000	mg/kg	<0.0979 U	<0.105 U	<0.107 U	4.55 D	0.284 D	<0.145 U	0.104 D	0.073 JD	<0.101 U	
Dibenzofuran	132-64-9	7	59	210	mg/kg	<0.0979 U	<0.105 U	<0.107 U	2.42 D	0.165 D	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Diethyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	0.0597 JD	
Diphenylamine	122-39-4	NS	NS	NS	mg/kg	<0.195 U	<0.21 U	<0.214 U	<0.18 U	<0.211 U	<0.29 U	<0.2 U	<0.19 U	<0.202 U	
Fluoranthene	206-44-0	100	100	1000	mg/kg	<0.0979 U	<0.105 U	<0.107 U	65.4 D	4.19 D	0.809 D	1.3 D	0.937 D	<0.101 U	
Fluorene	86-73-7	30	100	386	mg/kg	<0.0979 U	<0.105 U	<0.107 U	5.35 D	0.401 D	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Hexachlorobenzene	118-74-1	0.33	1.2	3.2	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	<0.106 U	<0.145 U	<0.1 U	<0.0951 U	<0.101 U	
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0979 U	<0.105 U	<0.107 U	<0.0899 U	&					

**Table 4**  
Remedial Investigation Report  
Soil Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location									
					Sample Name	RIB10	RIB10	RIB10	RIB11	RIB11	RIB11	RIB12	RIB12	RIB12
					Sample Date	RIB10_10-12	RIB10_18-20	RIDUP02_071823	RIB11_0-2	RIB11_5-7	RIB11_20-22	RIB12_0-2	RIB12_10-12	RIB12_18-20
					Sample Depth	10-12	18-20	18-20	0-2	5-7	20-22	0-2	10-12	18-20
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Pesticides</b>														
4,4'-DDD	72-54-8	0.0033	13	14	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
4,4'-DDE	72-55-9	0.0033	8.9	17	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
4,4'-DDT	50-29-3	0.0033	7.9	136	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Aldrin	309-00-2	0.005	0.097	0.19	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	0.02	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Alpha Chlordane	5103-71-9	0.094	4.2	2.9	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Alpha Endosulfan	959-98-8	2.4	24	102	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	0.09	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Beta Endosulfan	33213-65-9	2.4	24	102	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0385 U	<0.0419 U	<0.0424 U	<0.0362 U	<0.0426 U	<0.0575 U	<0.0371 U	<0.0371 U	<0.039 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	0.25	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Dieldrin	60-57-1	0.005	0.2	0.1	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Endosulfan Sulfate	1031-07-8	2.4	24	1000	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Endrin	72-20-8	0.014	11	0.06	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	0.1	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Heptachlor	76-44-8	0.042	2.1	0.38	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<0.00213 U	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00192 U	<0.00209 U	<0.00212 U	<0.00181 U	<b>0.00248 J</b>	<0.00287 U	<0.00192 U	<0.00185 U	<0.00195 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.192 U	<0.209 U	<0.212 U	<0.181 U	<0.213 U	<0.287 U	<0.192 U	<0.185 U	<0.195 U
<b>Herbicides</b>														
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0232 U	<0.025 U	<0.0254 U	<0.022 U	<0.0256 U	<0.0341 U	<0.0237 U	<0.0223 U	<0.0239 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0232 U	<0.025 U	<0.0254 U	<0.022 U	<0.0256 U	<0.0341 U	<0.0237 U	<0.0223 U	<0.0239 U
Silvex (2,4,5-Tp)	93-72-1	3.8	100	3.8	mg/kg	<0.0232 U	<0.025 U	<0.0254 U	<0.022 U	<0.0256 U	<0.0341 U	<0.0237 U	<0.0223 U	<0.0239 U
<b>Polychlorinated Biphenyl</b>														
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
Total PCBs	1336-36-3	0.1	1	3.2	mg/kg	<0.0194 U	<0.0211 U	<0.0214 U	<0.0183 U	<0.0215 U	<0.029 U	<0.0194 U	<0.0187 U	<0.0197 U
<b>Metals</b>														
Aluminum	7429-90-5	NS	NS	NS	mg/kg	6,730	7,780	8,490	7,380	8,790	21,300	10,500	8,400	9,200
Antimony	7440-36-0	NS	NS	NS	mg/kg	3.24	3.35	4.36	3.86	<2.72 U	12.6	2.88	4.03	4.54
Arsenic	7440-38-2	<b>13</b>	<b>16</b>	<b>16</b>	mg/kg	6.25	9.12 J	<b>20.8 J</b>	<b>13.8</b>	<b>14.7</b>	<b>27.9</b>	<b>21.5 J</b>	9.48 J	11
Barium	7440-39-3	<b>350</b>	<b>400</b>	820	mg/kg	79	162	194	176	<b>414</b>	48.6	<b>356 J</b>	89.2 J	229
Beryllium	7440-41-7	7.2	72	47	mg/kg	<0.05 U	0.222 J	0.403 J	<0.046 U	0.544	0.719	0.804 J	0.189 J	0.288
Cadmium	7440-43-9	<b>2.5</b>	4.3	7.5	mg/kg	<0.295 U	<0.318 U	<0.322 U	0.811	<0.326 U	<0.44 U	0.481 J	0.294 J	<0.303 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	5,970	8,530	9,270	16,700	17,600	2,500	20,000	7,740	7,340
Chromium, Hexavalent	18540-29-9	1	110	19	mg/kg	<0.591 U	<0.637 U	<0.645 U	<0.553 U	<0.652 U	<0.879 U	<0.6 U	<0.571 U	<0.607 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	15.7	15.9	13.1	16.7	16.9	37.7	23.3 J	22.6 J	14.9
Chromium, Trivalent	16065-83-1	<b>30</b>	180	NS	mg/kg	15.7	15.9	13.1	16.7	16.9	<b>37.7</b>	23.3	22.6	14.9
Cobalt	7440-48-4	NS	NS	NS	mg/kg	3.45	4.4	3.35	3.71	7.18	4.78	11.4 J	10.2 J	4.05
Copper	7440-50-8	<b>50</b>	<b>270</b>	1720	mg/kg	14.4	18.7	24.1	<b>280</b>	<b>410</b>	12.7	<b>113 J</b>	31 J	17
Cyanide	57-12-5	27	27	40	mg/kg	<0.591 U	<0.637 U	<0.645 U	9.96	<0.652 U	<0.879 U	<0.6 U	<0.571 U	<0.607 U
Iron	7439-89-6	NS	NS	NS	mg/kg	10,900	12,000	16,500	15,000	8,500	41,400	12,300	15,500	13,000
Lead	7439-92-1	<b>63</b>	<b>400</b>	<b>450</b>	mg/kg	<b>181</b>	<b>87.5 J</b>	<b>222 J</b>	<b>625</b>	<b>784</b>	40.2	<b>1,240 J</b>	<b>140 J</b>	<b>143</b>
Magnesium	7439-95-4	NS	NS	NS	mg/kg	2,270	2,340	1,490	3,120	1,320	8,410	1,730	3,960	1,940
Manganese	7439-96-5	1600	2000	2000	mg/kg	163	175	168	273	139	437	197 J	252 J	108
Mercury	7439-97-6	<b>0.18</b>	<b>0.81</b>	<b>0.73</b>	mg/kg	<b>0.353</b>	<b>0.356 J</b>	<b>2.1 J</b>	<b>3.4</b>	<b>2.23</b>	0.0909	<b>7.02</b>	<b>0.229</b>	0.0746
Nickel	7440-02-0	<b>30</b>	310	130	mg/kg	19.4	19.4	14.9 J	21.2	19.8	26.2	27.2 J	<b>35.8 J</b>	20.2
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,120 B	1,430 B	1,510 B	1,200	1,050	4,480	1,600 B	1,910 B	1,090 B
Selenium	7782-49-2	3.9	180	4	mg/kg	<2.46 UJ	<2.65 UJ	<2.69 UJ	<2.3 UJ	<2.72 UJ	<3.66 UJ	<2.5 U	<2.38 U	<2.53 UJ
Silver	7440-22-4	2	180	8.3	mg/kg	<0.496 U	<0.535 U	<0.542 U	<0.465 U	<0.548 U	<0.739 U	<0.504 U	<0.48 U	<0.51 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	376 J	745	783	568	765	2,830	1,230	295	692
Thallium	7440-28-0	NS	NS	NS	mg/kg	9.48	8.58	13	11	6.71	32.7	5.36	8.65	8.94
Vanadium	7440-62-2	NS	NS	NS	mg/kg	13.3	19.6	26.4	16.5	26.8	41	41.6 J	29.1 J	22.4
Zinc	7440-66-6	<b>109</b>	10000	2480	mg/kg	51.3	54.8 J	<b>196 J</b>	<b>648</b>	<b>670</b>	89	<b>284</b>	70	34.3
<b>General Chemistry</b>														
Solids, Percent	SOLID	NS	NS	NS	Percent	84.7	78.5	77.5	90.4	76.7	56.9	83.3	87.5	82.4

**Table 4  
Remedial Investigation Report  
Soil Sample Analytical Results**

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	Location									
					Sample Name	RIB10	RIB10	RIB10	RIB11	RIB11	RIB11	RIB12	RIB12	RIB12
					Sample Date	RIB10_10-12	RIB10_18-20	RIDUP02_071823	RIB11_0-2	RIB11_5-7	RIB11_20-22	RIB12_0-2	RIB12_10-12	RIB12_18-20
					Sample Depth	10-12	18-20	18-20	0-2	5-7	20-22	0-2	10-12	18-20
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Perfluorooctanoic acids</b>														
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000888 UJ	<0.000957 UJ	<0.000973 UJ	<0.000832 UJ	<0.00098 UJ	<0.00132 UJ	<0.000893 UJ	<0.000861 UJ	<0.000916 UJ
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	NS	NS	mg/kg	<0.000881 UJ	<0.000949 UJ	<0.000965 UJ	<0.000825 UJ	<0.000973 UJ	<0.00131 UJ	<0.000886 UJ	<0.000854 UJ	<0.000908 UJ
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.00117 UJ	<0.00127 UJ	<0.00129 UJ	<0.0011 UJ	<0.0013 UJ	<0.00175 UJ	<0.00118 UJ	<0.00114 UJ	<0.00121 UJ
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000888 UJ	<0.000957 UJ	<0.000973 UJ	<0.000832 UJ	<0.00098 UJ	<0.00132 UJ	<0.000893 UJ	<0.000861 UJ	<0.000916 UJ
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00587 UJ	<0.00633 UJ	<0.00643 UJ	<0.0055 UJ	<0.00648 UJ	<0.00874 UJ	<0.00591 UJ	<0.00569 UJ	<0.00606 UJ
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00587 UJ	<0.00633 UJ	<0.00643 UJ	<0.0055 UJ	<0.00648 UJ	<0.00874 UJ	<0.00591 UJ	<0.00569 UJ	<0.00606 UJ
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000878 UJ	<0.000947 UJ	<0.000963 UJ	<0.000823 UJ	<0.00097 UJ	<0.00131 UJ	<0.000884 UJ	<0.000851 UJ	<0.000906 UJ
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
N-ethylperfluorooctane sulfonamido	1691-99-2	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.00047 UJ	<0.000506 UJ	<0.000515 UJ	<0.00044 UJ	<0.000519 UJ	<0.000699 UJ	<0.000473 UJ	<0.000455 UJ	<0.000484 UJ
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000418 UJ	<0.000451 UJ	<0.000458 UJ	<0.000392 UJ	<0.000462 UJ	<0.000622 UJ	<0.000421 UJ	<0.000405 UJ	<0.000431 UJ
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.00047 UJ	<0.000506 UJ	<0.000515 UJ	<0.00044 UJ	<0.000519 UJ	<0.000699 UJ	<0.000473 UJ	<0.000455 UJ	<0.000484 UJ
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.00047 UJ	<0.000506 UJ	<0.000515 UJ	<0.00044 UJ	<0.000519 UJ	<0.000699 UJ	<0.000473 UJ	<0.000455 UJ	<0.000484 UJ
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000208 UJ	<0.000224 UJ	<0.000228 UJ	<0.000195 UJ	<0.00023 UJ	<0.000309 UJ	<0.000209 UJ	<0.000201 UJ	<0.000214 UJ
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000939 UJ	<0.00101 UJ	<0.00103 UJ	<0.00088 UJ	<0.00104 UJ	<0.0014 UJ	<0.000945 UJ	<0.000911 UJ	<0.000969 UJ
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000227 UJ	<0.000244 UJ	<0.000248 UJ	<0.000212 UJ	<0.00025 UJ	<0.000337 UJ	<0.000228 UJ	<0.00022 UJ	<0.000234 UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000228 UJ	<0.000246 UJ	<0.00025 UJ	<0.000213 UJ	<0.000252 UJ	<0.000339 UJ	<0.000229 UJ	<0.000221 UJ	<0.000235 UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000215 UJ	<0.000232 UJ	<0.000236 UJ	<0.000201 UJ	<0.000237 UJ	<0.00032 UJ	<0.000216 UJ	<0.000208 UJ	<0.000222 UJ
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<b>0.0000794 J</b>	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000225 UJ	<0.000243 UJ	<0.000247 UJ	<0.000211 UJ	<0.000249 UJ	<0.000336 UJ	<0.000227 UJ	<0.000219 UJ	<0.000233 UJ
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000235 UJ	<b>0.000386</b>	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<b>0.00029</b>
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	0.001	mg/kg	<0.000218 UJ	<0.000235 UJ	<0.000239 UJ	<0.000205 UJ	<0.000241 UJ	<0.000325 UJ	<0.00022 UJ	<0.000212 UJ	<0.000225 UJ
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	0.0008	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.000221 UJ	<0.000238 UJ	<0.000242 UJ	<0.000207 UJ	<0.000244 UJ	<0.000329 UJ	<0.000222 UJ	<0.000214 UJ	<0.000228 UJ
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.00047 UJ	<0.000506 UJ	<0.000515 UJ	<b>0.000126 J</b>	<0.000519 UJ	<0.000699 UJ	<0.000473 UJ	<0.000455 UJ	<0.000484 UJ
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluorotridecanoic Acid (PFTDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000235 UJ	<0.000253 UJ	<0.000257 UJ	<0.00022 UJ	<0.000259 UJ	<0.00035 UJ	<0.000236 UJ	<0.000228 UJ	<0.000242 UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000902 UJ	<0.000972 UJ	<0.000988 UJ	<0.000845 UJ	<0.000996 UJ	<0.00134 UJ	<0.000907 UJ	<0.000874 UJ	<0.00093 UJ
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000892 UJ	<0.000962 UJ	<0.000978 UJ	<0.000836 UJ	<0.000985 UJ	<0.00133 UJ	<0.000898 UJ	<0.000865 UJ	<0.00092 UJ
Tetrafluoro-2-(heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000939 UJ	<0.00101 UJ	<0.00103 UJ	<0.00088 UJ	<0.00104 UJ	<0.0014 UJ	<0.000945 UJ	<0.000911 UJ	<0.000969 UJ

**Table 4**  
**Remedial Investigation Report**  
**Soil Sample Analytical Results**

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

**Notes:**

CAS - Chemical Abstract Service

NS - No standard

mg/kg - milligram per kilogram

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Restricted-Residential, and Protection of Groundwater Soil Cleanup Objectives (SCO).

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Unrestricted Use, Restricted Use Restricted-Residential, and Protection of Groundwater Guidance Values (April 2023).

Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

**Qualifiers:**

D - The concentration reported is a result of a diluted sample.

B - The analyte was found in the associated analysis batch blank.

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

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

**Exceedance Summary:**

**10** - Result exceeds Unrestricted Use SCOs

**10** - Result exceeds Restricted Use Restricted-Residential SCOs

10 - Result exceeds Protection of Groundwater SCOs

**Table 5**  
**Remedial Investigation Report**  
**Groundwater Sample Analytical Results**

**224 3rd Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Analyte	CAS Number	NYSDEC SGVs	Location		RIMW01	RIMW02	RIMW03	RIMW04	RIMW05	RIMW06	RIMW07
			Sample Name	RIMW01_041924	RIMW02_041924	RIMW03_04182024	RIMW04_041924	RIMW05_041924	RIMW06_04182024	RIMW07_041924	
			Sample Date	04/19/2024	04/19/2024	04/18/2024	04/19/2024	04/19/2024	04/18/2024	04/19/2024	
			Unit	Result	Result	Result	Result	Result	Result	Result	
<b>Volatile Organic Compounds</b>											
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<80 U	<80 U	<80 U	<80 U	<80 U	<80 U	<80 U	<80 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Acetone	67-64-1	50	ug/l	17.4	97.3	1.55 J	3.36	4.23	16.8	18.9	
Acrolein	107-02-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Benzene	71-43-2	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	0.35 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	0.98	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	2.88
Chloroform	67-66-3	7	ug/l	<0.5 U	0.8	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	20.5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	1.25	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	7.09	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Ethylbenzene	100-41-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	0.95	1.93	<0.5 U	<0.5 U	<0.5 U	4.03	<0.5 U	<0.5 U
M,P-Xylene	179601-23-1	5	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	0.62 J	<1 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	2.89	<0.5 U	<0.5 U	<0.5 U	<0.5 U	15.3	<0.5 U	<0.5 U
Methylene Chloride	75-09-2	5	ug/l	1.55 J	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
n-Propylbenzene	103-65-1	5	ug/l	0.71	2.27	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.65	<0.5 U	<0.5 U
p-Cymene (p-Isopropyltoluene)		NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	0.64	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.96	<0.5 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	0.45 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.5	<0.5 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.68	<0.5 U	0.38 J	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	0.94	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Toluene	108-88-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Total Xylenes	1330-20-7	5	ug/l	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	1.27 J	<1.5 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Vinyl Chloride	75-01-4	2	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

**Table 5**  
**Remedial Investigation Report**  
**Groundwater Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC SGVs	Location	RIMW01	RIMW02	RIMW03	RIMW04	RIMW05	RIMW06	RIMW07	
				Sample Name	RIMW01_041924	RIMW02_041924	RIMW03_04182024	RIMW04_041924	RIMW05_041924	RIMW06_04182024	RIMW07_041924
				Sample Date	04/19/2024	04/19/2024	04/18/2024	04/19/2024	04/19/2024	04/18/2024	04/19/2024
				Unit	Result	Result	Result	Result	Result	Result	Result
<b>Semi-Volatile Organic Compounds</b>											
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
1,2-Diphenylhydrazine	122-66-7	0	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	0.48	0.576	0.544	<0.3 U	1.54	0.32	1.33	
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4-Dichlorophenol	120-83-2	1	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4-Dimethylphenol	105-67-9	1	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4-Dinitrophenol	51-28-5	1	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,4-Dinitrotoluene	121-14-2	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2,6-Dinitrotoluene	606-20-2	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Chloronaphthalene	91-58-7	10	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Chlorophenol	95-57-8	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Methylnaphthalene	91-57-6	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Nitroaniline	88-74-4	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
2-Nitrophenol	88-75-5	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
3-Nitroaniline	99-09-2	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Chloroaniline	106-47-8	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Nitroaniline	100-01-6	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
4-Nitrophenol	100-02-7	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Acenaphthene	83-32-9	20	ug/l	0.27	0.0773	0.197	<0.05 U	<0.05 U	0.199	<0.05 U	
Acenaphthylene	208-96-8	NS	ug/l	0.05	<0.0552 U	0.142	<0.05 U	<0.05 U	0.155	<0.05 U	
Acetophenone	98-86-2	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Anthracene	120-12-7	50	ug/l	<0.05 U	0.475	0.0984	0.19	<0.05 U	0.0994	0.05	
Atrazine	1912-24-9	7.5	ug/l	<0.5 U	<0.552 U	<0.546 U	<0.5 U	<0.5 U	<0.552 U	<0.5 U	
Benzaldehyde	100-52-7	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Benzidine	92-87-5	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.05	1.19	<0.0546 U	0.17	<0.05 U	<0.0552 U	<0.05 U	
Benzo(a)pyrene	50-32-8	0	ug/l	<0.05 U	1.44	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	<0.05 U	1.24	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	<0.05 U	1.79	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	<0.05 U	1.65	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Benzoic Acid	65-85-0	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Benzyl Alcohol	100-51-6	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	<0.5 U	1.73	<0.546 U	<0.5 U	0.59	<0.552 U	<0.5 U	
Caprolactam	105-60-2	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Carbazole	86-74-8	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Chrysene	218-01-9	0.002	ug/l	<0.05 U	1.77	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.05 U	2.43	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Dibenzofuran	132-64-9	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Dibutyl phthalate	84-74-2	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Diethyl phthalate	84-66-2	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Dimethyl phthalate	131-11-3	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Dioctyl phthalate	117-84-0	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Diphenylamine	122-39-4	5	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Fluoranthene	206-44-0	50	ug/l	0.24	0.674	0.0656	<0.05 U	0.08	0.0552	0.11	
Fluorene	86-73-7	50	ug/l	0.18	0.0773	0.197	<0.05 U	<0.05 U	0.177	<0.05 U	
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.02 U	<0.0221 U	<0.0219 U	<0.02 U	<0.02 U	<0.0221 U	<0.02 U	
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.5 U	<0.552 U	<0.546 U	<0.5 U	<0.5 U	<0.552 U	<0.5 U	
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<10 U	<11 U	<10.9 U	<10 U	<10 U	<11 U	<10 U	
Hexachloroethane	67-72-1	5	ug/l	<0.5 U	<0.552 U	<0.546 U	<0.5 U	<0.5 U	<0.552 U	<0.5 U	
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	<0.05 U	1.78	<0.0546 U	<0.05 U	<0.05 U	<0.0552 U	<0.05 U	
Isophorone	78-59-1	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Naphthalene	91-20-3	10	ug/l	0.15	0.42	0.896 B	0.07	0.25	1.02 B	0.2	
Nitrobenzene	98-95-3	0.4	ug/l	<0.25 U	<0.276 U	<0.273 U	<0.25 U	<0.25 U	<0.276 U	<0.25 U	
n-Nitrosodimethylamine	62-75-9	NS	ug/l	<0.5 U	<0.552 U	<0.546 U	<0.5 U	<0.5 U	<0.552 U	<0.5 U	
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Pentachlorophenol	87-86-5	1	ug/l	<0.25 U	0.541	<0.273 U	<0.25 U	<0.25 U	<0.276 U	<0.25 U	
Phenanthrene	85-01-8	50	ug/l	0.1	0.298	0.35	0.18	0.1	0.309	0.1	
Phenol	108-95-2	1	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	
Pyrene	129-00-0	50	ug/l	0.2	0.652	0.0656	<0.05 U	0.07	0.0552	0.09	
Pyridine	110-86-1	50	ug/l	<5 U	<5.52 U	<5.46 U	<5 U	<5 U	<5.52 U	<5 U	

**Table 5**  
**Remedial Investigation Report**  
**Groundwater Sample Analytical Results**

**224 3rd Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Analyte	CAS Number	NYSDEC SGVs	Location		RIMW01	RIMW02	RIMW03	RIMW04	RIMW05	RIMW06	RIMW07
			Sample Name	RIMW01_041924	RIMW02_041924	RIMW03_04182024	RIMW04_041924	RIMW05_041924	RIMW06_04182024	RIMW07_041924	
			Sample Date	04/19/2024	04/19/2024	04/18/2024	04/19/2024	04/19/2024	04/18/2024	04/19/2024	
			Unit	Result	Result	Result	Result	Result	Result	Result	
<b>Pesticides</b>											
4,4'-DDD	72-54-8	0.3	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
4,4'-DDE	72-55-9	0.2	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
4,4'-DDT	50-29-3	0.2	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Aldrin	309-00-2	0	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Alpha Chlordane	5103-71-9	NS	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Alpha Endosulfan	959-98-8	NS	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Beta Endosulfan	33213-65-9	NS	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Chlordane (alpha and gamma)	57-74-9	0.05	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Dieldrin	60-57-1	0.004	ug/l	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Endosulfan Sulfate	1031-07-8	NS	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Endrin	72-20-8	0	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Endrin Aldehyde	7421-93-4	5	ug/l	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
Endrin Ketone	53494-70-5	5	ug/l	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Gamma-Chlordane	5566-34-7	NS	ug/l	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
Heptachlor	76-44-8	0.04	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Heptachlor Epoxide	1024-57-3	0.03	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Methoxychlor	72-43-5	35	ug/l	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U	<0.004 U
Toxaphene	8001-35-2	0.06	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
<b>Herbicides</b>											
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Silvex (2,4,5-Tp)	93-72-1	0.26	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
<b>Polychlorinated Biphenyl</b>											
PCB-1016 (Aroclor 1016)	12674-11-2	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
Total PCBs	1336-36-3	0.09	ug/l	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U
<b>Metals - Dissolved</b>											
Aluminum	7429-90-5	NS	ug/l	<55.6 U	65.1	61.7	<55.6 U	62.9	73.3	<55.6 U	<55.6 U
Antimony	7440-36-0	3	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Arsenic	7440-38-2	25	ug/l	1.19	4.36	<1.11 U	1.19	4.76	1.65	5.76	5.76
Barium	7440-39-3	1000	ug/l	176	307	349	589	483	765	382	382
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	185,000	338,000	242,000	359,000	210,000	436,000	172,000	172,000
Chromium, Total	7440-47-3	50	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Cobalt	7440-48-4	NS	ug/l	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U
Copper	7440-50-8	200	ug/l	23.9	45.1	<22.2 U	32	26.7	<22.2 U	35.2	35.2
Iron	7439-89-6	300	ug/l	813	1,810	<278 U	279	22,400	568	24,100	24,100
Lead	7439-92-1	25	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	8.98
Magnesium	7439-95-4	35000	ug/l	29,600	68,400	69,900	53,200	51,700	88,200	46,900	46,900
Manganese	7439-96-5	300	ug/l	1,050	713	1,780	1,560	1,570	5,350	897	897
Mercury	7439-97-6	0.7	ug/l	<0.2 U	0.4	0.2	<0.2 U	0.2	<0.2 U	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Potassium	7440-09-7	NS	ug/l	34,500	84,500	67,700	68,500	52,900	92,500	48,800	48,800
Selenium	7782-49-2	10	ug/l	14 B	51.4 B	7.12 B	36.1 B	10.2 B	8.84 B	8.92 B	8.92 B
Silver	7440-22-4	50	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Sodium	7440-23-5	20000	ug/l	442,000	1,250,000	391,000	386,000 D	805,000	1,350,000	785,000	785,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Zinc	7440-66-6	2000	ug/l	29.8	43.8	39.6	<27.8 U	34.2	<27.8 U	41.2	41.2

**Table 5**  
**Remedial Investigation Report**  
**Groundwater Sample Analytical Results**

**224 3rd Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Analyte	CAS Number	NYSDEC SGVs	Location	RIMW01	RIMW02	RIMW03	RIMW04	RIMW05	RIMW06	RIMW07
				RIMW01_041924	RIMW02_041924	RIMW03_04182024	RIMW04_041924	RIMW05_041924	RIMW06_04182024	RIMW07_041924
				Sample Name	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
				Unit	Result	Result	Result	Result	Result	Result
<b>Metals - Total</b>										
Aluminum	7429-90-5	NS	ug/l	207	106	<65.6 U	150	172	<65.6 U	95.7
Antimony	7440-36-0	3	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Arsenic	7440-38-2	25	ug/l	5.34	5.15	16.2	2.14	5.27	29.3	5.85
Barium	7440-39-3	1000	ug/l	889	301	463	165	498	1,330	381
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	358,000	338,000	276,000	195,000	216,000	503,000	172,000
Chromium, Hexavalent	18540-29-9	50	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
Chromium, Total	7440-47-3	NS	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Chromium, Trivalent	16065-83-1	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
Cobalt	7440-48-4	NS	ug/l	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U
Copper	7440-50-8	200	ug/l	<22.2 U	<22.2 U	<22.2 U	<22.2 U	<22.2 U	<22.2 U	<22.2 U
Cyanide	57-12-5	200	ug/l	12	<10 U	<10 U	<10 U	21	<10 U	19
Iron	7439-89-6	300	ug/l	33,900	2,110	9,880	968	21,800	57,300	22,300
Lead	7439-92-1	25	ug/l	20.7	7.38	8.33	12.2	21	10.5	12.9
Magnesium	7439-95-4	35000	ug/l	54,100	65,900	67,500	26,600	48,700	84,300	42,600
Manganese	7439-96-5	300	ug/l	1,590	704	1,900	1,000	1,590	5,720	899
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Potassium	7440-09-7	NS	ug/l	67,700	83,100	52,300	29,800	48,400	69,700	44,600
Selenium	7782-49-2	10	ug/l	22.7	57.5	<1.11 U	42.4	14	8.26	5.75
Silver	7440-22-4	50	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Sodium	7440-23-5	20000	ug/l	1,670,000 D	1,240,000	340,000	367,000	747,000	1,040,000	733,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Zinc	7440-66-6	2000	ug/l	31.2	31	164 B	<27.8 U	29.1	160 B	28.2
<b>Perfluorooctanoic acids</b>										
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	ug/l	<0.00723 U	<0.00723 U	<0.00756 U	<0.00746 U	<0.00752 U	<0.00756 U	<0.00706 U
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	ug/l	<0.00717 U	<0.00717 U	<0.0075 U	<0.0074 U	<0.00746 U	<0.0075 U	<0.00701 U
3:3 FTCA	356-02-5	NS	ug/l	<0.00478 U	<0.00478 U	<0.005 U	<0.00494 U	<0.00497 U	<0.005 U	<0.00467 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	ug/l	<0.00723 U	<0.00723 U	<0.00756 U	<0.00746 U	<0.00752 U	<0.00756 U	<0.00706 U
5:3 FTCA	914637-49-3	NS	ug/l	0.0149 J	<0.0239 U	<0.025 U	<0.0247 U	<0.0249 U	<0.025 U	<0.0234 U
7:3 FTCA	812-70-4	NS	ug/l	<0.0239 U	<0.0239 U	<0.025 U	<0.0247 U	<0.0249 U	<0.025 U	<0.0234 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	ug/l	<0.00715 U	<0.00715 U	<0.00748 U	<0.00738 U	<0.00744 U	<0.00748 U	<0.00699 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NETFOSAA)	2991-50-6	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	0.00212
N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NS	ug/l	<0.0191 U	<0.0191 U	<0.02 U	<0.0197 U	<0.0199 U	<0.02 U	<0.0187 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NS	ug/l	<0.0191 U	<0.0191 U	<0.02 U	<0.0197 U	<0.0199 U	<0.02 U	<0.0187 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	ug/l	<0.00382 U	<0.00382 U	<0.004 U	<0.00395 U	<0.00398 U	<0.004 U	<0.00374 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	ug/l	<0.0034 U	<0.0034 U	<0.00356 U	<0.00351 U	<0.00354 U	<0.00356 U	<0.00333 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	ug/l	<0.00382 U	<0.00382 U	<0.004 U	<0.00395 U	<0.00398 U	<0.004 U	<0.00374 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	ug/l	<0.00382 U	<0.00382 U	<0.004 U	<0.00395 U	<0.00398 U	<0.004 U	<0.00374 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	ug/l	0.0055	<0.00169 U	0.00287	0.00695	0.005	0.00406	0.00578
Perfluorobutanoic acid (PFBA)	375-22-4	NS	ug/l	<0.00765 U	<0.00765 U	0.0129	0.0116	0.0152	0.0148	0.0155
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	ug/l	<0.00184 U	<0.00185 U	<0.00193 U	<0.00191 U	<0.00192 U	<0.00193 U	<0.0018 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	ug/l	<0.00185 U	<0.00186 U	<0.00194 U	<0.00191 U	<0.00193 U	<0.00194 U	<0.00181 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	ug/l	<0.00183 U	<0.00183 U	<0.00191 U	<0.00189 U	<0.00191 U	<0.00191 U	<0.00178 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	ug/l	0.0105	0.0122	0.00508	0.00854	0.0076	0.0145	0.00761
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	ug/l	0.00489	0.00337	0.00125 J	0.00611	0.00337	0.00515	0.00314
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	ug/l	0.0269	0.0318	0.0152	0.00585	0.0255	0.0303	0.028
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	ug/l	<0.00184 U	<0.00184 U	<0.00192 U	<0.0019 U	<0.00191 U	<0.00192 U	<0.00179 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	ug/l	0.0183	0.00167 J	<0.002 U	0.0015 J	0.00621	<0.002 U	0.00808
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.0027	ug/l	<0.00178 U	<0.00178 U	0.000942 J	0.00208	0.00988	<0.00186 U	0.00611
Perfluorooctanoic Acid (PFOA)	335-67-1	0.0067	ug/l	0.0925	0.0614	0.0185	0.0518	0.0343	0.0961	0.032
Perfluoropentanesulfonic Acid	2706-91-4	NS	ug/l	<0.0018 U	0.000948 J	<0.00188 U	<0.00186 U	<0.00187 U	0.00118 J	0.000735 J
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	ug/l	0.0323	0.0459	0.0211	0.00775	0.032	0.0421	0.0381
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Perfluorotridecanoic Acid (PFTDA)	72629-94-8	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	ug/l	<0.00191 U	<0.00191 U	<0.002 U	<0.00197 U	<0.00199 U	<0.002 U	<0.00187 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	ug/l	<0.00734 U	<0.00734 U	<0.00768 U	<0.00758 U	<0.00768 U	<0.00768 U	<0.00718 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	ug/l	0.00201 J	0.002 J	0.00633 J	<0.0075 U	<0.00756 U	0.00196 J	<0.0071 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	ug/l	<0.00765 U	<0.00765 U	<0.008 U	<0.0079 U	<0.00796 U	<0.008 U	<0.00747 U

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

**Notes:**

CAS - Chemical Abstract Service  
NS - No standard  
ug/l - microgram per liter  
NA - Not analyzed  
RL - Reporting limit  
<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").

**Qualifiers:**

- D - The concentration reported is a result of a diluted sample.
- J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is an estimated concentration.
- U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- B - The analyte was found in the associated analysis batch blank.

**Exceedance Summary:**

**10** - Result exceeds NYSDEC SGVs

**Table 6**  
**Remedial Investigation Report**  
**Indoor Air and Sub-Slab Vapor Sample Analytical Results**

**224 Third Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Analyte	CAS Number	NYSDOH AGVs	Location	IA01_SSV01		IA02_SSV02		IA03_SSV03		IA04_SSV04		IA05_SSV05		IA06_SSV06		IA07_SSV07	
			Sample Name	IA01_072123	SSV01_072123	IA02_072123	SSV02_072123	IA03_072123	SSV03_072123	IA04_072123	SSV04_072123	IA05_072123	SSV05_072123	IA06_072123	SSV06_072123	IA07_072123	SSV07_072123
			Sample Date	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023	07/21/2023
			Sample Type	IA	SSV												
			Unit	Result	Result	Result											
<b>Volatile Organic Compounds</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<0.7 U	<1.4 U	<0.57 U	<1.2 U	<0.64 U	<2 UJ	<0.69 U	<5.8 U	<0.59 U	<11 U	<0.68 U	<1.4 UJ	<0.59 U	<12 U
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.56 U	8.9 D	<0.45 U	22 D	<0.51 U	2.2 J	<0.55 U	13 D	<0.47 U	9 D	<0.54 U	7.6 J	<0.47 U	<9.8 U
1,1,1,2-Tetrachloroethane	79-34-5	NS	ug/m3	<0.7 U	<1.4 U	<0.57 U	<1.2 U	<0.64 U	<2 UJ	<0.69 U	<5.8 U	<0.59 U	<11 U	<0.68 U	<1.4 UJ	<0.59 U	<12 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<0.78 U	<1.5 U	<0.63 U	<1.3 U	<0.71 U	<2.2 UJ	<0.77 U	<6.5 U	<0.65 U	<13 U	<0.76 U	<1.5 UJ	<0.65 U	<14 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.56 U	<1.1 U	<0.45 U	<0.94 U	<0.51 U	<1.6 UJ	<0.55 U	<4.6 U	<0.47 U	<9 U	<0.54 U	<1.1 UJ	<0.47 U	<9.8 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.41 U	<0.82 U	<0.33 U	<0.7 U	<0.38 U	<1.2 UJ	<0.41 U	<3.4 U	<0.35 U	<6.6 U	<0.4 U	<0.8 UJ	<0.35 U	<7.3 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.1 U	<0.2 U	<0.082 U	<0.17 U	<0.092 U	<0.28 UJ	<0.1 U	1 D	<0.085 U	<1.6 U	<0.098 U	<0.2 UJ	<0.085 U	<1.8 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<0.76 U	<1.5 U	<0.61 U	<1.3 U	<0.69 U	<2.1 UJ	<0.75 U	<6.3 U	<0.63 U	<12 U	<0.73 U	<1.5 UJ	<0.76 U	<13 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	1.2 D	47 D	1.3 D	47 D	0.91 D	60 J	0.99 D	29 D	1.8 D	29 D	1.5 D	46 J	1.4 D	31 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<0.78 U	<1.6 U	<0.63 U	<1.3 U	<0.71 U	<2.2 UJ	<0.77 U	<6.5 U	<0.66 U	<13 U	<0.76 U	<1.5 UJ	<0.66 U	<14 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<0.61 U	<1.2 U	<0.5 U	<1 U	<0.56 U	<1.7 UJ	<0.61 U	<5.1 U	<0.51 U	<9.9 U	<0.59 U	<1.2 UJ	<0.51 U	<11 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.41 U	<0.82 U	<0.33 U	<0.7 U	<0.38 U	<1.2 UJ	<0.41 U	<3.4 U	<0.35 U	<6.6 U	<0.4 U	<0.8 UJ	<0.35 U	<7.3 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.47 U	<0.93 U	<0.38 U	<0.8 U	<0.43 U	<1.3 UJ	<0.47 U	<3.9 U	<0.39 U	<7.6 U	<0.46 U	<0.92 UJ	<0.39 U	<8.3 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<0.71 U	<1.4 U	<0.58 U	<1.2 U	<0.65 U	<2 UJ	<0.7 U	<5.9 U	<0.6 U	<11 U	<0.69 U	<1.4 UJ	<0.6 U	<13 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.5 U	12 D	<0.41 U	14 D	<0.46 U	29 J	<0.5 U	9.5 D	0.5 D	8.1 D	<0.48 U	12 J	<0.42 U	8.8 D
1,3-Butadiene	106-99-0	NS	ug/m3	<0.68 U	<1.3 U	<0.55 U	<1.1 U	<0.62 U	<1.9 UJ	<0.67 U	<5.6 U	<0.57 U	<11 U	<0.65 U	<1.3 UJ	<0.57 U	<12 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<0.61 U	<1.2 U	<0.5 U	<1 U	<0.56 U	<1.7 UJ	<0.61 U	<5.1 U	<0.51 U	<9.9 U	<0.59 U	<1.2 UJ	<0.51 U	<11 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.47 U	<0.93 U	<0.38 U	<0.8 U	<0.43 U	<1.3 UJ	<0.47 U	<3.9 U	<0.39 U	<7.6 U	<0.46 U	<0.92 UJ	<0.39 U	<8.3 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<0.61 U	<1.2 U	<0.5 U	<1 U	<0.56 U	<1.7 UJ	<0.61 U	<5.1 U	<0.51 U	<9.9 U	<0.59 U	<1.2 UJ	<0.51 U	<11 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.73 U	<1.5 U	<0.59 U	<1.2 U	<0.67 U	<2.1 UJ	<0.73 U	<6.1 U	<0.61 U	<12 U	<0.71 U	<1.4 UJ	<0.62 U	<13 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	2.2 J	<1.7 U	1.1 J	<1.4 U	0.84 J	<2.3 UJ	<0.83 U	<6.9 U	0.87 J	<13 U	<0.81 U	<1.6 UJ	<0.7 U	<15 U
4-Ethyltoluene	622-96-8	NS	ug/m3	0.9 D	38 D	0.97 D	41 D	0.78 D	77 J	0.59 D	27 D	1.6 D	22 D	1.1 D	37 J	1.2 D	20 D
Acetone	67-64-1	NS	ug/m3	25 D	12 D	24 D	7.6 D	23 D	9.2 J	14 D	17 D	21 D	16 D	22 D	32 J	21 D	9 D
Acrylonitrile	107-13-1	NS	ug/m3	<0.22 U	<0.44 U	<0.18 U	<0.38 U	<0.2 U	<0.62 UJ	<0.22 U	<1.8 U	<0.19 U	<3.6 U	<0.21 U	1.1 J	<0.19 U	<3.9 U
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<1.6 U	<3.2 U	<1.3 U	<2.7 U	<1.5 U	<4.5 UJ	<1.3 U	<4.5 UJ	<1.3 U	<26 U	<1.5 U	<3.1 UJ	<1.3 U	<28 U
Benzene	71-43-2	NS	ug/m3	1 D	7.4 D	1.1 D	3 D	0.8 D	2 J	0.74 D	4 D	1.5 D	<5.2 U	1.5 D	8.2 J	1.3 D	<5.7 U
Benzyl Chloride	100-44-7	NS	ug/m3	<0.53 U	<1 U	<0.43 U	<0.89 U	<0.48 U	<1.5 UJ	<0.52 U	<4.4 U	<0.44 U	<8.5 U	<0.51 U	<1 UJ	<0.44 U	<9.3 U
Bromodichloromethane	75-27-4	NS	ug/m3	<0.68 U	<1.4 U	<0.55 U	<1.2 U	<0.62 U	<1.9 UJ	<0.67 U	<5.7 U	<0.57 U	<11 U	<0.66 U	<1.3 UJ	<0.57 U	<12 U
Bromoethene	593-60-2	NS	ug/m3	<0.45 U	<0.88 U	<0.36 U	<0.76 U	<0.41 U	<1.2 UJ	<0.44 U	<3.7 U	<0.37 U	<7.2 U	<0.43 U	<0.87 UJ	<0.37 U	<7.9 U
Bromoform	75-25-2	NS	ug/m3	<1.1 U	<2.1 U	<0.85 U	<1.8 U	<0.96 U	<3 UJ	<1 U	<8.7 U	<0.88 U	<17 U	<1 U	<2.1 UJ	<0.88 U	<19 U
Bromomethane	74-83-9	NS	ug/m3	<0.4 U	<0.79 U	<0.32 U	<0.67 U	<0.36 U	<1.1 UJ	<0.39 U	<3.3 U	<0.33 U	<6.4 U	<0.38 U	<0.77 UJ	<0.33 U	<7 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.32 U	8.1 D	<0.26 U	4.3 D	<0.29 U	6.9 J	<0.31 U	7.6 D	<0.27 U	9.2 D	<0.31 U	20 J	<0.27 U	<5.6 U
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.26 D	<0.32 U	0.26 D	0.33 D	0.29 D	5.4 J	0.25 D	1.6 D	0.32 D	<2.6 U	0.25 D	0.87 J	0.27 D	<2.8 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.47 U	<0.93 U	<0.38 U	<0.8 U	<0.43 U	<1.3 UJ	<0.46 U	<3.9 U	<0.39 U	<7.6 U	<0.45 U	<0.91 UJ	<0.39 U	<8.3 U
Chloroethane	75-00-3	NS	ug/m3	<0.27 U	<0.53 U	<0.22 U	<0.46 U	<0.25 U	<0.75 UJ	<0.27 U	<2.2 U	<0.23 U	<4.3 U	<0.26 U	0.73 J	<0.23 U	<4.7 U
Chloroform	67-66-3	NS	ug/m3	<0.5 U	10 D	<0.4 U	6.1 D	<0.45 U	10 J	<0.49 U	7 D	<0.42 U	27 D	<0.48 U	22 J	<0.42 U	<8.8 U
Chloromethane	74-87-3	NS	ug/m3	2.5 D	0.67 J	2.5 D	1.3 J	3.1 D	1 J	2.8 D	2.8 J	2.9 D	<3.4 U	1.4 D	1.3 J	1.4 D	<3.7 U
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.1 U	<0.2 U	<0.082 U	<0.17 U	<0.092 U	<0.28 UJ	<0.1 U	10 D	<0.085 U	<1.6 U	<0.098 U	<0.2 UJ	<0.085 U	<1.8 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.46 U	<0.92 U	<0.37 U	<0.78 U	<0.42 U	<1.3 UJ	<0.46 U	<3.8 U	<0.39 U	<7.5 U	<0.45 U	<0.9 UJ	<0.39 U	<8.2 U
Cyclohexane	110-82-7	NS	ug/m3	1 D	11 D	0.94 D	3.2 D	0.45 D	1.1 J	<0.35 U	<2.9 U	1.5 D	<5.7 U	1.3 D	8.3 J	1.3 D	<6.2 U
Dibromochloromethane	124-48-1	NS	ug/m3	<0.87 U	<1.7 U	<0.7 U	<1.5 U	<0.79 U	<2.4 UJ	<0.86 U	<7.2 U	<0.73 U	<14 U	<0.84 U	<1.7 UJ	<0.73 U	<15 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.1 D	2.4 D	2 D	2.7 D	2.1 D	2.8 J	2.1 D	4.2 D	2.1 D	<8.1 U	2.3 D	2.7 J	2.2 D	<8.9 U
Ethyl Acetate	141-78-6	NS	ug/m3	4.4 D	<1.5 U	8 D	<1.2 U	13 D	<2.1 UJ	1.2 D	<6.1 U	2.7 D	<12 U	7.5 D	<1.4 UJ	3.9 D	<13 U
Ethylbenzene	100-41-4	NS	ug/m3	1.1 D	25 D	1.2 D	25 D	0.89 D	21 J	0.79 D	2.3 D	16 D	13 D	19 D	27 J	1.5 D	12 D
Hexachlorobutadiene	87-68-3	NS	ug/m3	<1.1 U	<2.2 U	<0.88 U	<1.8 U	<0.99 U	<3 UJ	<1.1 U	<9 U	<0.91 U	<18 U	<1.1 U	<2.1 UJ	<0.91 U	<19 U
Isopropanol	67-63-0	NS	ug/m3	3.5 D	3.7 J	2.8 D	2.3 J	3.4 D	<3.5 UJ	1.7 D	17 BD	2.2 D	<8.1 U	2.7 D	4.1 J	2.8 D	<8.8 U
m,p-Xylene	179601-23-1	NS	ug/m3	3.6 D	120 D	4.2 D	130 J	2.9 D	130 J	2.8 D	78 D	8.1 D	66 D	4.6 D	130 J	5 D	55 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	3 D	2.9 D	3 D	1.5 D	2.9 D	2.4 J	2.8 D	4.5 D	2.4 D	<4.8 U	3 D	4.4 J	3.1 D	<5.3 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	2.6 D	<0.83 U	2 D	<0.71 U	1.3 D	<1.2 UJ	2.9 D	9.3 D	2.2 D	<6.7 U	2 J	<0.81 UJ	2.5 J	<7.4 U
Methyl Methacrylate	80-62-6	NS	ug/m3	<0.42 U	<0.83 U	<0.34 U	<0.71 U	<0.38 U	<1.2 UJ	<0.41 U	<3.5 U	<0.35 U	<6.7 U	<0.4 U	<0.81 UJ	<0.35 U	<7.4 U
Methylene Chloride	75-09-2	60	ug/m3	0.71 D	<1.4 U	0.57 D	<1.2 U	<0.65 U	<2 UJ	0.73 D	<5.9 U	<0.59 U	<11 U	<0.68 U	<1.4 UJ	0.62 D	<12 U
Naphthalene	91-20-3	NS	ug/m3	4 D	4.9 D	5.1 D	4.9 D	4.4 D	4.2 J	<1.1 U	<8.8 U	4 D	<17 U	4.4 D	3.1 J	3.9 D	<19 U
n-Heptane	142-82-5	NS	ug/m3	2.4 D	24 D	1.8											

**Table 6**  
**Remedial Investigation Report**  
**Indoor Air and Sub-Slab Vapor Sample Analytical Results**

**224 Third Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

**Notes:**

IA - Indoor Air

SSV - Sub-slab Soil Vapor

CAS - Chemical Abstract Service

NS - No standard

ug/m<sup>3</sup> - microgram per cubic meter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (2013, 2015, 2017).

Ambient air sample analytical results are shown for reference only.

**Qualifiers:**

D - The concentration reported is a result of a diluted sample.

B - The analyte was found in the associated analysis batch blank.

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

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

**Exceedance Summary:**

**10** - Result exceeds NYSDOH AGVs

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

**224 3rd Avenue**  
**Brooklyn, New York**  
**NYSDEC BCP Site No.: C224373**  
**Langan Project No.: 170758101**

Analyte	CAS Number	Sample Type	TB	TB	TB	FB	FB	TB	FB	FB	FB	TB	FB	
			Sample Name	TB01_081821	TB02_081821	TB03_081821	ECFB01_071423	RIFB01_071423	RITB01_071423	ECFB02_071723	ECFB03_071823	RIFB02_071823	RITB02_071823	ECFB04_071923
			Sample Date	08/18/2021	08/18/2021	08/18/2021	07/14/2023	07/14/2023	07/14/2023	07/17/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Volatile Organic Compounds</b>														
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1,1-Trichloroethane	71-55-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1,2-Trichloroethane	79-00-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1-Dichloroethane	75-34-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,1-Dichloroethene	75-35-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2,3-Trichlorobenzene	87-61-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2,3-Trichloropropane	96-18-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2,4-Trichlorobenzene	120-82-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2,4-Trimethylbenzene	95-63-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2-Dichlorobenzene	95-50-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2-Dichloroethane	107-06-2	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,2-Dichloropropane	78-87-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,3-Dichlorobenzene	541-73-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,4-Dichlorobenzene	106-46-7	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	<40 U	<40 U	<40 U	NA	<80 U	<80 U	NA	NA	<80 U	<80 U	NA	
2-Hexanone (MBK)	591-78-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Acetone	67-64-1	ug/l	<2 U	<2 U	<2 U	NA	<2 U	<b>4.43</b>	NA	NA	<2 U	<b>6.74</b>	NA	
Acrolein	107-02-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Acrylonitrile	107-13-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Benzene	71-43-2	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Bromochloromethane	74-97-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Bromodichloromethane	75-27-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Bromoform	75-25-2	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Bromomethane	74-83-9	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Carbon Disulfide	75-15-0	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Carbon Tetrachloride	56-23-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Chlorobenzene	108-90-7	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Chloroethane	75-00-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Chloroform	67-66-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<b>0.350 J</b>	<0.5 U	NA	
Chloromethane	74-87-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Cis-1,2-Dichloroethene	156-59-2	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Cis-1,3-Dichloropropene	10061-01-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Cyclohexane	110-82-7	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Dibromochloromethane	124-48-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Dibromomethane	74-95-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Dichlorodifluoromethane	75-71-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Ethylbenzene	100-41-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Hexachlorobutadiene	87-68-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Isopropylbenzene (Cumene)	98-82-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
M,P-Xylene	179601-23-1	ug/l	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	NA	<1 U	<1 U	NA	
Methyl Acetate	79-20-9	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Methylcyclohexane	108-87-2	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Methylene Chloride	75-09-2	ug/l	<2 U	<2 U	<2 U	NA	<b>0.550 J</b>	<b>2.38</b>	NA	NA	<2 U	<b>1.04 J</b>	NA	
n-Butylbenzene	104-51-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
n-Propylbenzene	103-65-1	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
p-Cymene (p-Isopropyltoluene)	CYMP	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Sec-Butylbenzene	135-98-8	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Styrene	100-42-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
T-Butylbenzene	98-06-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Tert-Butyl Alcohol	75-65-0	ug/l	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	NA	<1 U	<1 U	NA	
Tert-Butyl Methyl Ether	1634-04-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Tetrachloroethene (PCE)	127-18-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Toluene	108-88-3	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Total Xylenes	1330-20-7	ug/l	<1.5 U	<1.5 U	<1.5 U	NA	<1.5 U	<1.5 U	NA	NA	<1.5 U	<1.5 U	NA	
Trans-1,2-Dichloroethene	156-60-5	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Trans-1,3-Dichloropropene	10061-02-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Trans-1,4-Dichloro-2-Butene	110-57-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	79-01-6	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Trichlorofluoromethane	75-69-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	
Vinyl Chloride	75-01-4	ug/l	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	NA	<0.5 U	<0.5 U	NA	

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	TB	TB	FB	FB	TB	FB	FB	FB	TB	FB
		Sample Name	TB01_081821	TB02_081821	TB03_081821	ECFB01_071423	RIFB01_071423	RITB01_071423	ECFB02_071723	ECFB03_071823	RIFB02_071823	RITB02_071823	ECFB04_071923
		Sample Date	08/18/2021	08/18/2021	08/18/2021	07/14/2023	07/14/2023	07/14/2023	07/17/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Semi-Volatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
1,2-Diphenylhydrazine	122-66-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	NA	NA	NA	NA	<0.3 U	NA	NA	NA	<5.41 U	NA	NA
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Chlorophenol	95-57-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Nitroaniline	88-74-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
2-Nitrophenol	88-75-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
3-Nitroaniline	99-09-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Chloro-3-Methylphenol	59-50-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Chloroaniline	106-47-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Nitroaniline	100-01-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
4-Nitrophenol	100-02-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Acenaphthene	83-32-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Acenaphthylene	208-96-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Acetophenone	98-86-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Anthracene	120-12-7	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Atrazine	1912-24-9	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	<0.541 U	NA	NA
Benzaldehyde	100-52-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Benzidine	92-87-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Benzo(a)anthracene	56-55-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Benzo(a)pyrene	50-32-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Benzo(b)fluoranthene	205-99-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Benzo(g,h,i)Perylene	191-24-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Benzo(k)fluoranthene	207-08-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Benzoic Acid	65-85-0	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Benzyl Alcohol	100-51-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Benzyl Butyl Phthalate	85-68-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Biphenyl (Diphenyl)	92-52-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Bis(2-chloroisopropyl) ether	108-60-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	ug/l	NA	NA	NA	NA	1.1	NA	NA	NA	1.11	NA	NA
Caprolactam	105-60-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Carbazole	86-74-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Chrysene	218-01-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Dibenz(a,h)anthracene	53-70-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Dibenzofuran	132-64-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Dibutyl phthalate	84-74-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Diethyl phthalate	84-66-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Dimethyl phthalate	131-11-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Diethyl phthalate	117-84-0	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Diphenylamine	122-39-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Fluoranthene	206-44-0	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Fluorene	86-73-7	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Hexachlorobenzene	118-74-1	ug/l	NA	NA	NA	NA	<0.02 U	NA	NA	NA	<0.0216 U	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	<0.541 U	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	<10.8 U	NA	NA
Hexachloroethane	67-72-1	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	<0.541 U	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Isophorone	78-59-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Naphthalene	91-20-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Nitrobenzene	98-95-3	ug/l	NA	NA	NA	NA	<0.25 U	NA	NA	NA	<0.27 U	NA	NA
n-Nitrosodimethylamine	62-75-9	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	<0.541 U	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
n-Nitrosodiphenylamine	86-30-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Pentachlorophenol	87-86-5	ug/l	NA	NA	NA	NA	<0.25 U	NA	NA	NA	<0.27 U	NA	NA
Phenanthrene	85-01-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Phenol	108-95-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA
Pyrene	129-00-0	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	<0.0541 U	NA	NA
Pyridine	110-86-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5.41 U	NA	NA

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	TB	TB	FB	FB	TB	FB	FB	FB	TB	FB	
			Sample Name	TB01_081821	TB02_081821	TB03_081821	ECFB01_071423	RIFB01_071423	RITB01_071423	ECFB02_071723	ECFB03_071823	RIFB02_071823	RITB02_071823	ECFB04_071923
			Sample Date	08/18/2021	08/18/2021	08/18/2021	07/14/2023	07/14/2023	07/14/2023	07/17/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Pesticides</b>														
4,4'-DDD	72-54-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
4,4'-DDE	72-55-9	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
4,4'-DDT	50-29-3	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Aldrin	309-00-2	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Alpha Chlordane	5103-71-9	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Alpha Endosulfan	959-98-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Beta Endosulfan	33213-65-9	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Chlordane (alpha and gamma)	57-74-9	ug/l	NA	NA	NA	NA	<0.204 U	NA	NA	NA	<0.216 U	NA	NA	
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Dieldrin	60-57-1	ug/l	NA	NA	NA	NA	<0.00204 U	NA	NA	NA	<0.00216 U	NA	NA	
Endosulfan Sulfate	1031-07-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Endrin	72-20-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Endrin Aldehyde	7421-93-4	ug/l	NA	NA	NA	NA	<0.0102 U	NA	NA	NA	<0.0108 U	NA	NA	
Endrin Ketone	53494-70-5	ug/l	NA	NA	NA	NA	<0.0102 U	NA	NA	NA	<0.0108 U	NA	NA	
Gamma Bhc (Lindane)	58-89-9	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Gamma-Chlordane	5566-34-7	ug/l	NA	NA	NA	NA	<0.0102 U	NA	NA	NA	<0.0108 U	NA	NA	
Heptachlor	76-44-8	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Heptachlor Epoxide	1024-57-3	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Methoxychlor	72-43-5	ug/l	NA	NA	NA	NA	<0.00408 U	NA	NA	NA	<0.00432 U	NA	NA	
Toxaphene	8001-35-2	ug/l	NA	NA	NA	NA	<0.102 U	NA	NA	NA	<0.108 U	NA	NA	
<b>Herbicides</b>														
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5 U	NA	NA	
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5 U	NA	NA	
Silvex (2,4,5-Tp)	93-72-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	<5 U	NA	NA	
<b>Polychlorinated Biphenyl</b>														
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
Total PCBs	1336-36-3	ug/l	NA	NA	NA	NA	<0.051 U	NA	NA	NA	<0.0541 U	NA	NA	
<b>Metals</b>														
Aluminum	7429-90-5	ug/l	NA	NA	NA	NA	<55.6 U	NA	NA	NA	<55.6 U	NA	NA	
Antimony	7440-36-0	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	<1.11 U	NA	NA	
Arsenic	7440-38-2	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	<1.11 U	NA	NA	
Barium	7440-39-3	ug/l	NA	NA	NA	NA	<27.8 U	NA	NA	NA	<27.8 U	NA	NA	
Beryllium	7440-41-7	ug/l	NA	NA	NA	NA	<0.333 U	NA	NA	NA	<0.333 U	NA	NA	
Cadmium	7440-43-9	ug/l	NA	NA	NA	NA	<0.556 U	NA	NA	NA	<0.556 U	NA	NA	
Calcium	7440-70-2	ug/l	NA	NA	NA	NA	405	NA	NA	NA	422	NA	NA	
Chromium, Hexavalent	18540-29-9	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	<10 U	NA	NA	
Chromium, Total	7440-47-3	ug/l	NA	NA	NA	NA	5.83	NA	NA	NA	<5.56 U	NA	NA	
Chromium, Trivalent	16065-83-1	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	<10 U	NA	NA	
Cobalt	7440-48-4	ug/l	NA	NA	NA	NA	<4.44 U	NA	NA	NA	<4.44 U	NA	NA	
Copper	7440-50-8	ug/l	NA	NA	NA	NA	<22.2 U	NA	NA	NA	<22.2 U	NA	NA	
Cyanide	57-12-5	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	<10 U	NA	NA	
Iron	7439-89-6	ug/l	NA	NA	NA	NA	<278 U	NA	NA	NA	<278 U	NA	NA	
Lead	7439-92-1	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	<5.56 U	NA	NA	
Magnesium	7439-95-4	ug/l	NA	NA	NA	NA	<55.6 U	NA	NA	NA	60.1	NA	NA	
Manganese	7439-96-5	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	<5.56 U	NA	NA	
Mercury	7439-97-6	ug/l	NA	NA	NA	NA	<0.2 U	NA	NA	NA	<0.2 U	NA	NA	
Nickel	7440-02-0	ug/l	NA	NA	NA	NA	<11.1 U	NA	NA	NA	14.9	NA	NA	
Potassium	7440-09-7	ug/l	NA	NA	NA	NA	<55.6 U	NA	NA	NA	<55.6 U	NA	NA	
Selenium	7782-49-2	ug/l	NA	NA	NA	NA	3.16 B	NA	NA	NA	1.64	NA	NA	
Silver	7440-22-4	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	<5.56 U	NA	NA	
Sodium	7440-23-5	ug/l	NA	NA	NA	NA	<556 U	NA	NA	NA	559	NA	NA	
Thallium	7440-28-0	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	<1.11 U	NA	NA	
Vanadium	7440-62-2	ug/l	NA	NA	NA	NA	<11.1 U	NA	NA	NA	<11.1 U	NA	NA	
Zinc	7440-66-6	ug/l	NA	NA	NA	NA	<27.8 U	NA	NA	NA	<27.8 U	NA	NA	

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	TB	TB	FB	FB	TB	FB	FB	FB	TB	FB	
			Sample Name	TB01_081821	TB02_081821	TB03_081821	ECFB01_071423	RIFB01_071423	RITB01_071423	ECFB02_071723	ECFB03_071823	RIFB02_071823	RITB02_071823	ECFB04_071923
			Sample Date	08/18/2021	08/18/2021	08/18/2021	07/14/2023	07/14/2023	07/14/2023	07/17/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Perfluorooctanoic acids</b>														
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ug/l	NA	NA	NA	<0.00766 U	NA	NA	<0.00771 U	<0.00748 U	NA	NA	<0.00761 U	
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	ug/l	NA	NA	NA	<0.0076 U	NA	NA	<0.00765 U	<0.00742 U	NA	NA	<0.00755 U	
3:3 FTCA	356-02-5	ug/l	NA	NA	NA	<0.00506 U	NA	NA	<0.0051 U	<0.00495 U	NA	NA	<0.00503 U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ug/l	NA	NA	NA	<0.00766 U	NA	NA	<0.00771 U	<0.00748 U	NA	NA	<0.00761 U	
5:3 FTCA	914637-49-3	ug/l	NA	NA	NA	<0.0253 U	NA	NA	<0.0255 U	<0.0247 U	NA	NA	<0.0252 U	
7:3 FTCA	812-70-4	ug/l	NA	NA	NA	<0.0253 U	NA	NA	<0.0255 U	<0.0247 U	NA	NA	<0.0252 U	
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ug/l	NA	NA	NA	<0.00758 U	NA	NA	<0.00763 U	<0.0074 U	NA	NA	<0.00753 U	
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
N-ethylperfluorooctane sulfonamide	4151-50-2	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
N-ethylperfluorooctane sulfonamide	1691-99-2	ug/l	NA	NA	NA	<0.0203 U	NA	NA	<0.0204 U	<0.0198 U	NA	NA	<0.0201 U	
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
N-methylperfluorooctane sulfonamide	31506-32-8	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
N-methylperfluorooctanesulfonamidol	24448-09-7	ug/l	NA	NA	NA	<0.0203 U	NA	NA	<0.0204 U	<0.0198 U	NA	NA	<0.0201 U	
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ug/l	NA	NA	NA	<0.00405 U	NA	NA	<0.00408 U	<0.00396 U	NA	NA	<0.00403 U	
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ug/l	NA	NA	NA	<0.00361 U	NA	NA	<0.00363 U	<0.00352 U	NA	NA	<0.00358 U	
Perfluoro-3-methoxypropanoic acid	377-73-1	ug/l	NA	NA	NA	<0.00405 U	NA	NA	<0.00408 U	<0.00396 U	NA	NA	<0.00403 U	
Perfluoro-4-methoxybutanoic acid	863090-89-5	ug/l	NA	NA	NA	<0.00405 U	NA	NA	<0.00408 U	<0.00396 U	NA	NA	<0.00403 U	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/l	NA	NA	NA	<0.00179 U	NA	NA	<0.0018 U	<0.00175 U	NA	NA	<0.00178 U	
Perfluorobutanoic acid (PFBA)	375-22-4	ug/l	NA	NA	NA	<0.0081 U	NA	NA	<b>0.000378 J</b>	<0.00791 U	NA	NA	<0.00805 U	
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/l	NA	NA	NA	<0.00195 U	NA	NA	<0.00197 U	<0.00191 U	NA	NA	<0.00194 U	
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	ug/l	NA	NA	NA	<0.00196 U	NA	NA	<0.00198 U	<0.00192 U	NA	NA	<0.00195 U	
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/l	NA	NA	NA	<0.00193 U	NA	NA	<0.00195 U	<0.00189 U	NA	NA	<0.00192 U	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/l	NA	NA	NA	<0.00185 U	NA	NA	<0.00187 U	<0.00181 U	NA	NA	<b>0.000991 J</b>	
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<b>0.000354 J</b>	
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ug/l	NA	NA	NA	<0.00194 U	NA	NA	<0.00196 U	<0.0019 U	NA	NA	<0.00193 U	
Perfluorononanoic Acid (PFNA)	375-95-1	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/l	NA	NA	NA	<0.00188 U	NA	NA	<0.0019 U	<0.00184 U	NA	NA	<b>0.00159 J</b>	
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluoropentanesulfonic Acid	2706-91-4	ug/l	NA	NA	NA	<0.0019 U	NA	NA	<0.00192 U	<0.00186 U	NA	NA	<0.00189 U	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/l	NA	NA	NA	<0.00405 U	NA	NA	<0.00408 U	<0.00396 U	NA	NA	<0.00403 U	
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/l	NA	NA	NA	<0.00203 U	NA	NA	<0.00204 U	<0.00198 U	NA	NA	<0.00201 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	ug/l	NA	NA	NA	<0.00778 U	NA	NA	<0.00783 U	<0.0076 U	NA	NA	<0.00773 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	ug/l	NA	NA	NA	<0.0077 U	NA	NA	<0.00775 U	<0.00752 U	NA	NA	<0.00765 U	
Tetrafluoro-2-(heptafluoropropoxy) propanoic Acid	13252-13-6	ug/l	NA	NA	NA	<0.0081 U	NA	NA	<0.00816 U	<0.00791 U	NA	NA	<0.00805 U	

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**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	FB	TB	FB	TB	FB	TB	FB	TB	FB	TB	
			Sample Name	RITB03_071923	GWECFB01_072123	GWFB01_072123	GWECFB02_072623	GWFB01_072623	GWFB02_072623	RITB04_072623	GWECFB03_072723	GWFB03_072723	GWECFB04_072823	GWFB04_072823
			Sample Date	07/19/2023	07/21/2023	07/21/2023	07/26/2023	07/26/2023	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/28/2023	07/28/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<b>Volatiles Organic Compounds</b>														
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,1-Trichloroethane	71-55-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,2-Trichloroethane	79-00-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1-Dichloroethane	75-34-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1-Dichloroethene	75-35-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2,3-Trichloropropane	96-18-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-Dichlorobenzene	95-50-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-Dichloroethane	107-06-2	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-Dichloropropane	78-87-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,3-Dichlorobenzene	541-73-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,4-Dichlorobenzene	106-46-7	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	<80 U	NA	<80 U	NA	<80 U	<80 U	<80 U	<80 U	NA	<80 U	NA	<80 U
2-Hexanone (MBK)	591-78-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Acetone	67-64-1	ug/l	6.65	NA	3.24	NA	<2 U	4.44	2.87	NA	2.9	NA	3.03	NA
Acrolein	107-02-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Acrylonitrile	107-13-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Benzene	71-43-2	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Bromochloromethane	74-97-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Bromodichloromethane	75-27-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Bromoform	75-25-2	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Bromomethane	74-83-9	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Carbon Disulfide	75-15-0	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Carbon Tetrachloride	56-23-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Chlorobenzene	108-90-7	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Chloroethane	75-00-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Chloroform	67-66-3	ug/l	<0.5 U	NA	<0.5 U	NA	1.33	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Chloromethane	74-87-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Cyclohexane	110-82-7	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Dibromochloromethane	124-48-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Dibromomethane	74-95-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Dichlorodifluoromethane	75-71-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Ethylbenzene	100-41-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Hexachlorobutadiene	87-68-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
M,P-Xylene	179601-23-1	ug/l	<1 U	NA	<1 U	NA	<1 U	<1 U	<1 U	<1 U	NA	<1 U	NA	<1 U
Methyl Acetate	79-20-9	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Methylcyclohexane	108-87-2	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Methylene Chloride	75-09-2	ug/l	1.06 J	NA	1.53 J	NA	<2 U	0.990 J	2.41	NA	2.47	NA	1.50 J	NA
n-Butylbenzene	104-51-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
n-Propylbenzene	103-65-1	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Sec-Butylbenzene	135-98-8	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Styrene	100-42-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
T-Butylbenzene	98-06-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Tert-Butyl Alcohol	75-65-0	ug/l	<1 U	NA	<1 U	NA	<1 U	<1 U	<1 U	<1 U	NA	<1 U	NA	<1 U
Tert-Butyl Methyl Ether	1634-04-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Tetrachloroethene (PCE)	127-18-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Toluene	108-88-3	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Total Xylenes	1330-20-7	ug/l	<1.5 U	NA	<1.5 U	NA	<1.5 U	<1.5 U	<1.5 U	<1.5 U	NA	<1.5 U	NA	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	79-01-6	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Trichlorofluoromethane	75-69-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U
Vinyl Chloride	75-01-4	ug/l	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	FB	TB	FB	TB	FB	TB	FB	TB	FB	TB
		Sample Name	RITB03_071923	GWECFB01_072123	GWTFB01_072123	GWECFB02_072623	GWTFB01_072623	GWTFB02_072623	RITB04_072623	GWECFB03_072723	GWTFB03_072723	GWECFB04_072823	GWTFB04_072823
		Sample Date	07/19/2023	07/21/2023	07/21/2023	07/26/2023	07/26/2023	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/28/2023	07/28/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Semi-Volatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	NA	NA	NA	NA	<0.3 U	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Acetophenone	98-86-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Atrazine	1912-24-9	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Benzoic Acid	65-85-0	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	100-51-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	85-68-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Biphenyl (Diphenyl)	92-52-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl) ether	108-60-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA
Caprolactam	105-60-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	53-70-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	84-74-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Diethyl phthalate	117-84-0	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Diphenylamine	122-39-4	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	ug/l	NA	NA	NA	NA	0.26	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	NA	NA	NA	NA	<0.02 U	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	ug/l	NA	NA	NA	NA	<0.25 U	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	62-75-9	ug/l	NA	NA	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	86-30-6	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	NA	NA	NA	NA	<0.25 U	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Pyridine	110-86-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	FB	TB	FB	FB	TB	TB	FB	TB	FB	TB
		Sample Name	RITB03_071923	GWECFB01_072123	GWFB01_072123	GWECFB02_072623	GWFB01_072623	GWFB02_072623	RITB04_072623	GWECFB03_072723	GWFB03_072723	GWECFB04_072823	GWFB04_072823
		Sample Date	07/19/2023	07/21/2023	07/21/2023	07/26/2023	07/26/2023	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/28/2023	07/28/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Pesticides</b>													
4,4'-DDD	72-54-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Aldrin	309-00-2	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Alpha Chlordane	5103-71-9	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Alpha Endosulfan	959-98-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Beta Endosulfan	33213-65-9	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	ug/l	NA	NA	NA	NA	<0.2 U	NA	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Dieldrin	60-57-1	ug/l	NA	NA	NA	NA	<0.002 U	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Endrin	72-20-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	NA	NA	NA	NA	<0.01 U	NA	NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	NA	NA	NA	NA	<0.01 U	NA	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	5566-34-7	ug/l	NA	NA	NA	NA	<0.01 U	NA	NA	NA	NA	NA	NA
Heptachlor	76-44-8	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Methoxychlor	72-43-5	ug/l	NA	NA	NA	NA	<0.004 U	NA	NA	NA	NA	NA	NA
Toxaphene	8001-35-2	ug/l	NA	NA	NA	NA	<0.1 U	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>													
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	ug/l	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA	NA
<b>Polychlorinated Biphenyl</b>													
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	ug/l	NA	NA	NA	NA	<0.05 U	NA	NA	NA	NA	NA	NA
<b>Metals</b>													
Aluminum	7429-90-5	ug/l	NA	NA	NA	NA	<55.6 U	NA	NA	NA	NA	NA	NA
Antimony	7440-36-0	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	NA	NA	NA
Arsenic	7440-38-2	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	ug/l	NA	NA	NA	NA	<27.8 U	NA	NA	NA	NA	NA	NA
Beryllium	7440-41-7	ug/l	NA	NA	NA	NA	<0.333 U	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	ug/l	NA	NA	NA	NA	<0.556 U	NA	NA	NA	NA	NA	NA
Calcium	7440-70-2	ug/l	NA	NA	NA	NA	65.5	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	18540-29-9	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	NA	NA	NA
Chromium, Trivalent	16065-83-1	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	ug/l	NA	NA	NA	NA	<4.44 U	NA	NA	NA	NA	NA	NA
Copper	7440-50-8	ug/l	NA	NA	NA	NA	<22.2 U	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	ug/l	NA	NA	NA	NA	<10 U	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	ug/l	NA	NA	NA	NA	<278 U	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	NA	NA	NA
Magnesium	7439-95-4	ug/l	NA	NA	NA	NA	<55.6 U	NA	NA	NA	NA	NA	NA
Manganese	7439-96-5	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	NA	NA	NA
Mercury	7439-97-6	ug/l	NA	NA	NA	NA	<0.2 U	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	ug/l	NA	NA	NA	NA	<11.1 U	NA	NA	NA	NA	NA	NA
Potassium	7440-09-7	ug/l	NA	NA	NA	NA	96.4 B	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	ug/l	NA	NA	NA	NA	<5.56 U	NA	NA	NA	NA	NA	NA
Sodium	7440-23-5	ug/l	NA	NA	NA	NA	674	NA	NA	NA	NA	NA	NA
Thallium	7440-28-0	ug/l	NA	NA	NA	NA	<1.11 U	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	ug/l	NA	NA	NA	NA	<11.1 U	NA	NA	NA	NA	NA	NA
Zinc	7440-66-6	ug/l	NA	NA	NA	NA	<27.8 U	NA	NA	NA	NA	NA	NA

**Table 8**  
**Remedial Investigation Report**  
**Quality Assurance/Quality Control Sample Analytical Results**

224 3rd Avenue  
 Brooklyn, New York  
 NYSDEC BCP Site No.: C224373  
 Langan Project No.: 170758101

Analyte	CAS Number	Sample Type	TB	FB	TB	FB	FB	TB	TB	FB	TB	FB	TB
		Sample Name	RITB03_071923	GWECFB01_072123	GWFB01_072123	GWECFB02_072623	GWFB01_072623	GWFB02_072623	RITB04_072623	GWECFB03_072723	GWFB03_072723	GWECFB04_072823	GWFB04_072823
		Sample Date	07/19/2023	07/21/2023	07/21/2023	07/26/2023	07/26/2023	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/28/2023	07/28/2023
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Perfluorooctanoic acids</b>													
11-Chloroicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ug/l	NA	<0.00734 U	NA	<0.00773 U	NA	NA	NA	<0.00754 U	NA	<0.00809 U	NA
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	ug/l	NA	<0.00728 U	NA	<0.00766 U	NA	NA	NA	<0.00748 U	NA	<0.00803 U	NA
3:3 FTCA	356-02-5	ug/l	NA	<0.00485 U	NA	<0.00511 U	NA	NA	NA	<0.00499 U	NA	<0.00535 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ug/l	NA	<0.00734 U	NA	<0.00773 U	NA	NA	NA	<0.00754 U	NA	<0.00809 U	NA
5:3 FTCA	914637-49-3	ug/l	NA	<0.0243 U	NA	<0.0255 U	NA	NA	NA	<0.0249 U	NA	<0.0268 U	NA
7:3 FTCA	812-70-4	ug/l	NA	<0.0243 U	NA	<0.0255 U	NA	NA	NA	<0.0249 U	NA	<0.0268 U	NA
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ug/l	NA	<0.00726 U	NA	<0.00764 U	NA	NA	NA	<0.00746 U	NA	<0.00801 U	NA
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
N-ethylperfluorooctane sulfonamide	4151-50-2	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
N-ethylperfluorooctane sulfonamide	1691-99-2	ug/l	NA	<0.0194 U	NA	<0.0204 U	NA	NA	NA	<0.0199 U	NA	<0.0214 U	NA
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
N-methylperfluorooctane sulfonamide	31506-32-8	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
N-methylperfluorooctanesulfonamidol	24448-09-7	ug/l	NA	<0.0194 U	NA	<0.0204 U	NA	NA	NA	<0.0199 U	NA	<0.0214 U	NA
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ug/l	NA	<0.00388 U	NA	<0.00409 U	NA	NA	NA	<0.00399 U	NA	<0.00428 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ug/l	NA	<0.00346 U	NA	<0.00364 U	NA	NA	NA	<0.00355 U	NA	<0.00381 U	NA
Perfluoro-3-methoxypropanoic acid	377-73-1	ug/l	NA	<0.00388 U	NA	<0.00409 U	NA	NA	NA	<0.00399 U	NA	<0.00428 U	NA
Perfluoro-4-methoxybutanoic acid	863090-89-5	ug/l	NA	<0.00388 U	NA	<0.00409 U	NA	NA	NA	<0.00399 U	NA	<0.00428 U	NA
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/l	NA	<0.00172 U	NA	<0.00181 U	NA	NA	NA	<0.00177 U	NA	<0.00189 U	NA
Perfluorobutanoic acid (PFBA)	375-22-4	ug/l	NA	<0.00777 U	NA	<0.00818 U	NA	NA	NA	<0.00798 U	NA	<0.00856 U	NA
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/l	NA	<0.00187 U	NA	<0.00197 U	NA	NA	NA	<0.00192 U	NA	<0.00207 U	NA
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	ug/l	NA	<0.00188 U	NA	<0.00198 U	NA	NA	NA	<0.00193 U	NA	<0.00208 U	NA
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/l	NA	<0.00185 U	NA	<0.00195 U	NA	NA	NA	<0.0019 U	NA	<0.00204 U	NA
Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/l	NA	<0.00178 U	NA	<0.00187 U	NA	NA	NA	<0.00182 U	NA	<0.00196 U	NA
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ug/l	NA	<0.00186 U	NA	<0.00196 U	NA	NA	NA	<0.00191 U	NA	<0.00206 U	NA
Perfluorononanoic Acid (PFNA)	375-95-1	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/l	NA	<0.00181 U	NA	<0.0019 U	NA	NA	NA	<0.00185 U	NA	<0.00199 U	NA
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluoropentanesulfonic Acid	2706-91-4	ug/l	NA	<0.00182 U	NA	<0.00192 U	NA	NA	NA	<0.00187 U	NA	<0.00201 U	NA
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/l	NA	<0.00388 U	NA	<0.00409 U	NA	NA	NA	<0.00399 U	NA	<0.00428 U	NA
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluorotridecanoic Acid (PFTDA)	72629-94-8	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/l	NA	<0.00194 U	NA	<0.00204 U	NA	NA	NA	<0.00199 U	NA	<0.00214 U	NA
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	ug/l	NA	<0.00746 U	NA	<0.00785 U	NA	NA	NA	<0.00766 U	NA	<0.00822 U	NA
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	ug/l	NA	<0.00738 U	NA	<0.00777 U	NA	NA	NA	<0.00758 U	NA	<0.00814 U	NA
Tetrafluoro-2-(heptafluoropropoxy) propanoic Acid	13252-13-6	ug/l	NA	<0.00777 U	NA	<0.00818 U	NA	NA	NA	<0.00798 U	NA	<0.00856 U	NA

Remedial Investigation Report  
Quality Assurance/Quality Control Sample Analytical Results

224 3rd Avenue  
Brooklyn, New York  
NYSDEC BCP Site No.: C224373  
Langan Project No.: 170758101

**Notes:**

FB - Field Blank  
TB - Trip Blank  
CAS - Chemical Abstract Service  
NS - No standard  
ug/l - microgram per liter  
NA - Not analyzed  
RL - Reporting limit  
<RL - Not detected

**Qualifiers:**

B - The analyte was found in the associated analysis batch blank.

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

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

**APPENDIX A**

**PROPOSED REDEVELOPMENT PLANS**















COLOR	RATING	DESCRIPTION	MANUFACTURER/MODEL	ASTM TEST REPORT
TRICKLE VENT - TITON TRIMVENT 4000				
OITC 31 (REQUIRED) OITC 32 (PROVIDED)		15/16" IG (1/4" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 3/16" ANNEALED INTERIOR), GLASS TEMPERATURE 75° F	CASEMENT WINDOW, SERIES 5000, MANUFACTURED BY WINDOW TECH SYSTEMS	D3793.01B
OITC 31		15/16" IG (5/16" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR), GLASS TEMPERATURE 75° F	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E
OITC 26		15/16" IG (1/8" ANNEALED EXTERIOR, 5/8" AIR SPACE, 3/16" ANNEALED INTERIOR)	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01B
OITC 31		15/16" IG (1/4" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR), GLASS TEMPERATURE 75° F	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E

PROPOSED NEW MIXED USE DEVELOPMENT FOR:  
**579 SACKETT STREET**  
 579 SACKETT STREET  
 BROOKLYN, NY 11217

BLOCK: 426 LOT: 36

Architect:  
**AUFGANG.**  
 74 LAFAYETTE AVENUE  
 SUITE 301  
 SUFFERN, NY 10901  
 845.368.0004  
 info@aufgang.com

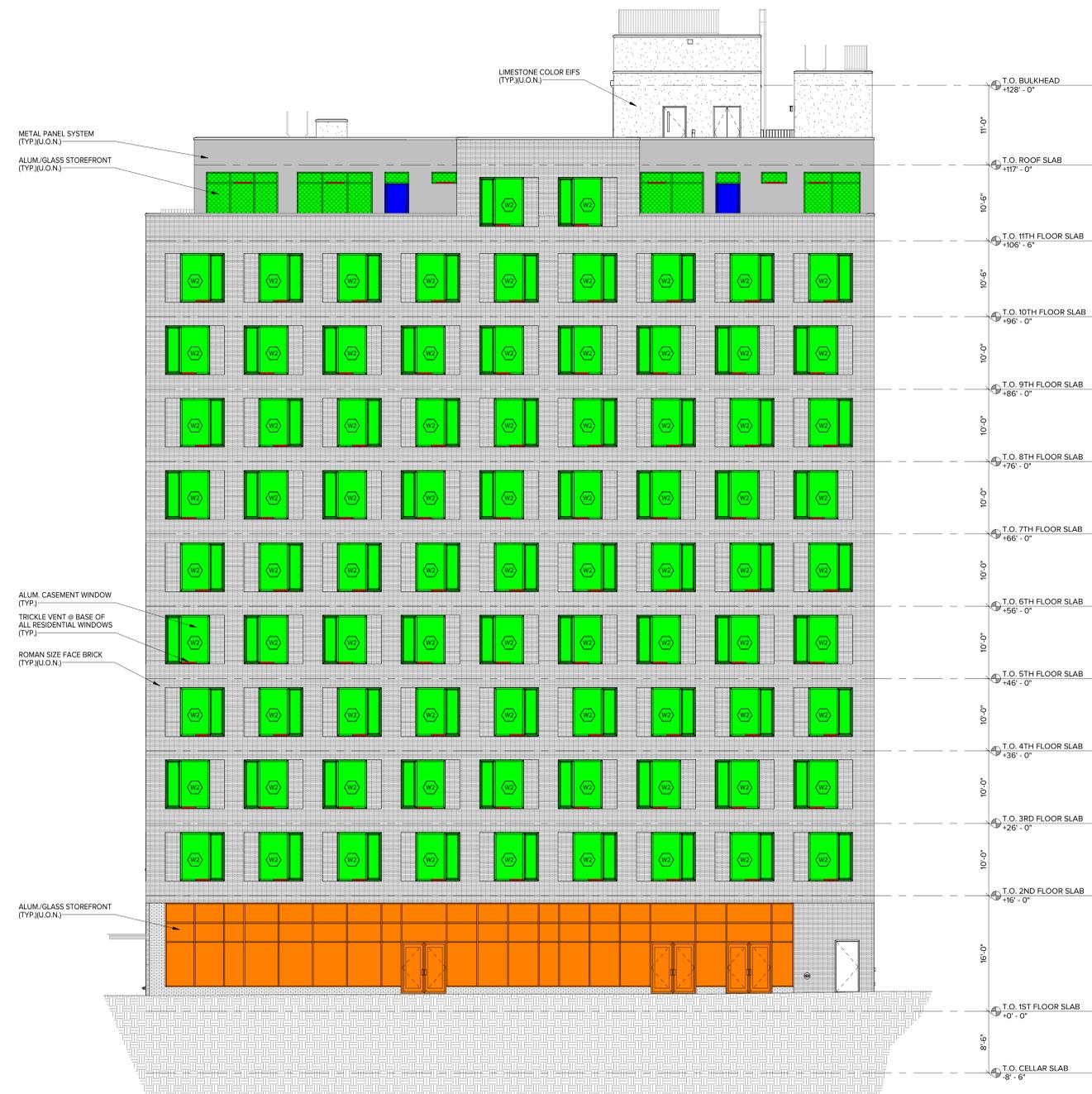
Owner/Developer  
**SLATE Property Group**  
 38 East 29th Street  
 9th Floor  
 New York, NY 10016  
 (646) 439-4000

Structural Engineer  
**SEVERUD ASSOCIATES CONSULTING ENGINEERS, PC**  
 SUITE 900  
 NEW YORK, NY 10018  
 (212) 986-3700

MEP Engineer  
**SKYLINE ENGINEERING**  
 42 WEST 39TH STREET  
 10TH FLOOR  
 NEW YORK, NY 10018  
 (212) 213-0662

Civil Engineer  
**BROOKER ENGINEERING, PLLC**  
 74 LAFAYETTE AVENUE  
 SUITE 501  
 SUFFERN, NY 10901  
 (845) 368-1896

Lighting Consultant  
**LILKER LIGHTING GROUP**  
 1001 AVENUE OF THE AMERICAS  
 NEW YORK, NY 10018  
 (212) 695-1000

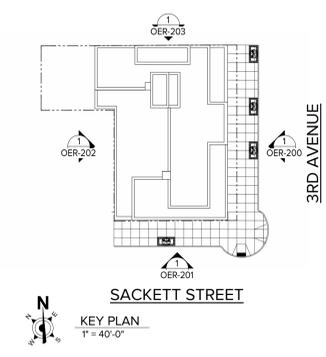


1 3RD AVE. ELEVATION  
 1/8" = 1'-0"

DATE	SUBMISSIONS / REVISIONS
08-17-23	ISSUED TO OER
07-12-23	ISSUED TO OER
07-03-23	ISSUED TO OER
06-15-23	ISSUED TO OER

SHEET TITLE:

**EAST ELEVATION**



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SEAL & SIGNATURE

ISSUE DATE: 05/22/23 PROJECT NO: 22031  
 DRAWN BY: SCR CHECKED BY: JS  
 SCALE: As indicated SHEET NO: OF  
 DRAWING NO: **OER-200.00**  
 NYC DOB NUMBER:

# 579 SACKETT STREET

579 SACKETT STREET  
BROOKLYN, NY 11217

BLOCK: 426 LOT: 36

Architect:  
**AUFGANG.**  
74 LAFAYETTE AVENUE  
SUITE 301  
SUFFERN, NY 10901  
845.368.0004  
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Owner/Developer  
**SLATE Property Group**  
38 East 29th Street  
9th Floor  
New York, NY 10016  
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(845) 368-1896

Lighting Consultant  
**LILKER LIGHTING GROUP**  
1001 AVENUE OF THE AMERICAS  
NEW YORK, NY 10018  
(212) 695-1000



COLOR	RATING	DESCRIPTION	MANUFACTURER/MODEL	ASTM TEST REPORT
TRICKLE VENT - TITON TRIMVENT 4000				
15/16" IG (1/4" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 3/16" ANNEALED INTERIOR), GLASS	OITC 31 (REQUIRED) OITC 32 (PROVIDED)		CASEMENT WINDOW, SERIES 5000, MANUFACTURED BY WINDOW TECH SYSTEMS	D3793.01B
15/16" IG (1/4" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR), GLASS	OITC 31		FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E
15/16" IG (1/8" ANNEALED EXTERIOR, 5/8" AIR SPACE, 3/16" ANNEALED INTERIOR)	OITC 26		FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01B
15/16" IG (1/4" LAMINATED (0.030") EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR), GLASS	OITC 31		FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E

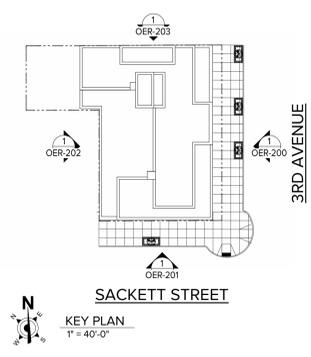


1 SACKETT ST. ELEVATION  
1/8" = 1'-0"

DATE	SUBMISSIONS / REVISIONS
08-17-23	ISSUED TO OER
07-12-23	ISSUED TO OER
07-03-23	ISSUED TO OER
06-15-23	ISSUED TO OER

SHEET TITLE:

## SOUTH ELEVATION



KEY PLAN  
1" = 40'-0"

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SEAL & SIGNATURE  
**ANSEL AUFGANG**  
REGISTERED ARCHITECT  
STATE OF NEW YORK  
No. 122789

ISSUE DATE: 05/22/23 PROJECT NO: 22031  
DRAWN BY: SCR CHECKED BY: JS  
SCALE: As indicated SHEET NO: OF  
DRAWING NO: **OER-201.00**  
NYC DOB NUMBER:

PROPOSED NEW MIXED USE DEVELOPMENT FOR:  
**579 SACKETT STREET**  
 579 SACKETT STREET  
 BROOKLYN, NY 11217

BLOCK: 426 LOT: 36

Architect:  
**AUFGANG.**  
 74 LAFAYETTE AVENUE  
 SUITE 301  
 SUFFERN, NY 10901  
 845.368.0004  
 info@aufgang.com

Owner/Developer  
**SLATE Property Group**  
 38 East 29th Street  
 9th Floor  
 New York, NY 10016  
 (646) 439-4000

Structural Engineer  
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 (212) 986-3700

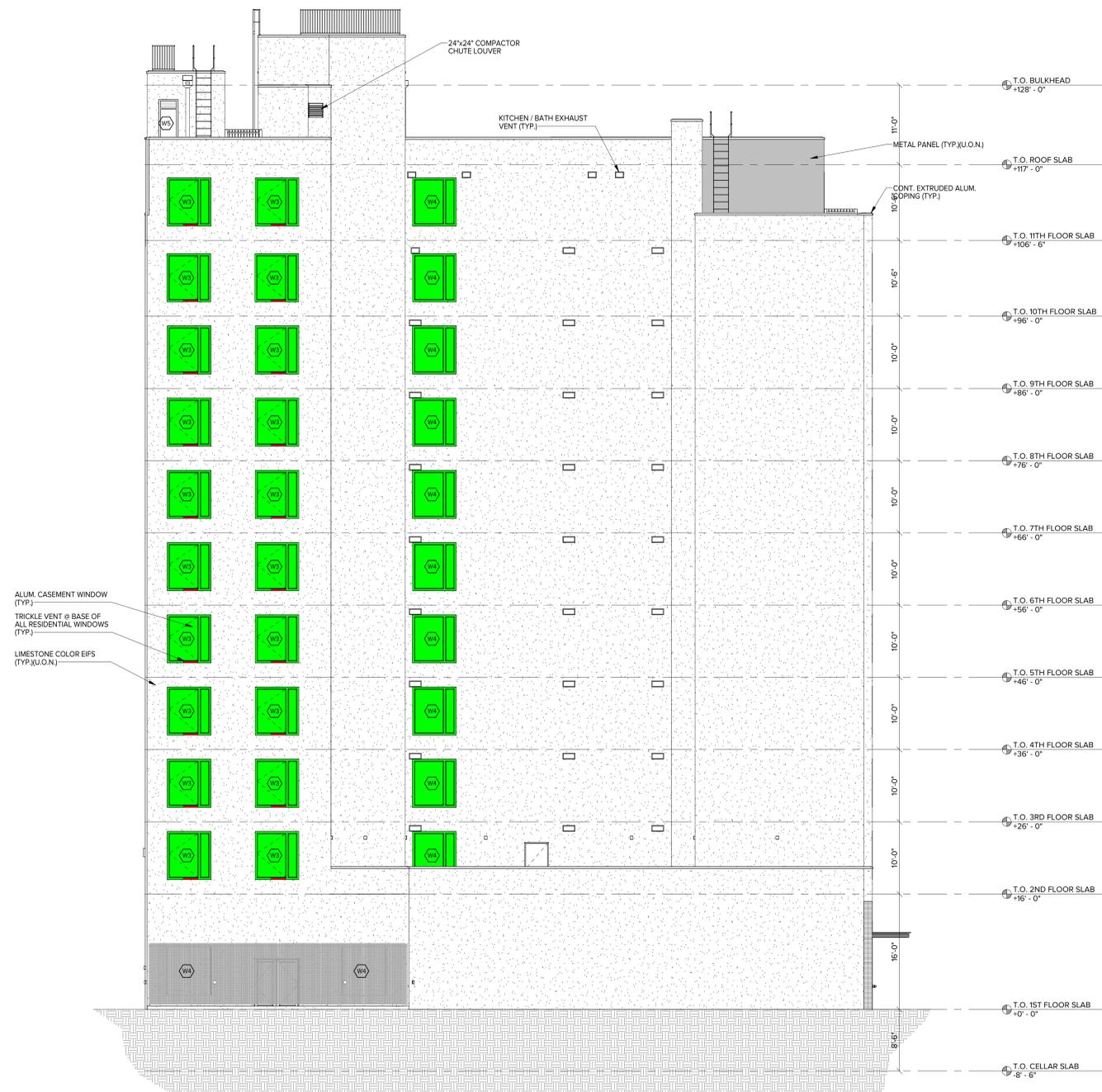
MEP Engineer  
**SKYLINE ENGINEERING**  
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 10TH FLOOR  
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Civil Engineer  
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 74 LAFAYETTE AVENUE  
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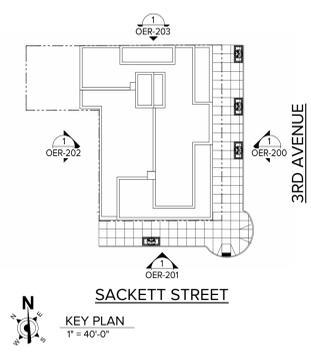
Lighting Consultant  
**LILKER LIGHTING GROUP**  
 1001 AVENUE OF THE AMERICAS  
 NEW YORK, NY 10018  
 (212) 695-1000



COLOR	RATING	DESCRIPTION	MANUFACTURER/MODEL	ASTM TEST REPORT
Red	-	TRICKLE VENT - TITON TRIMVENT 4000		
Green	OITC 31 (REQUIRED) OITC 32 (PROVIDED)	15/16" IG (1/4" LAMINATED [0.030"]) EXTERIOR, 1/2" AIR SPACE, 3/16" ANNEALED INTERIOR, GLASS TEMPERATURE 75° F	CASEMENT WINDOW, SERIES 5000, MANUFACTURED BY WINDOW TECH SYSTEMS	D3793.01B
Green	OITC 31	15/16" IG (5/16" LAMINATED [0.060"]) EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR, GLASS TEMPERATURE 75° F	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E
Orange	OITC 26	15/16" IG (1/8" ANNEALED EXTERIOR, 5/8" AIR SPACE, 3/16" ANNEALED INTERIOR)	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01B
Blue	OITC 31	15/16" IG (1/4" LAMINATED [0.030"]) EXTERIOR, 1/2" AIR SPACE, 1/8" ANNEALED INTERIOR, GLASS TEMPERATURE 75° F	FIXED WINDOW, SERIES 6500, 7500, 8500 FX, MANUFACTURED BY WINDOW TECH SYSTEMS	D3792.01E



1 WEST ELEVATION  
 1/8" = 1'-0"



DATE	SUBMISSIONS / REVISIONS
08-17-23	ISSUED TO OER
07-12-23	ISSUED TO OER
07-03-23	ISSUED TO OER
06-15-23	ISSUED TO OER

SHEET TITLE:

**WEST ELEVATION**

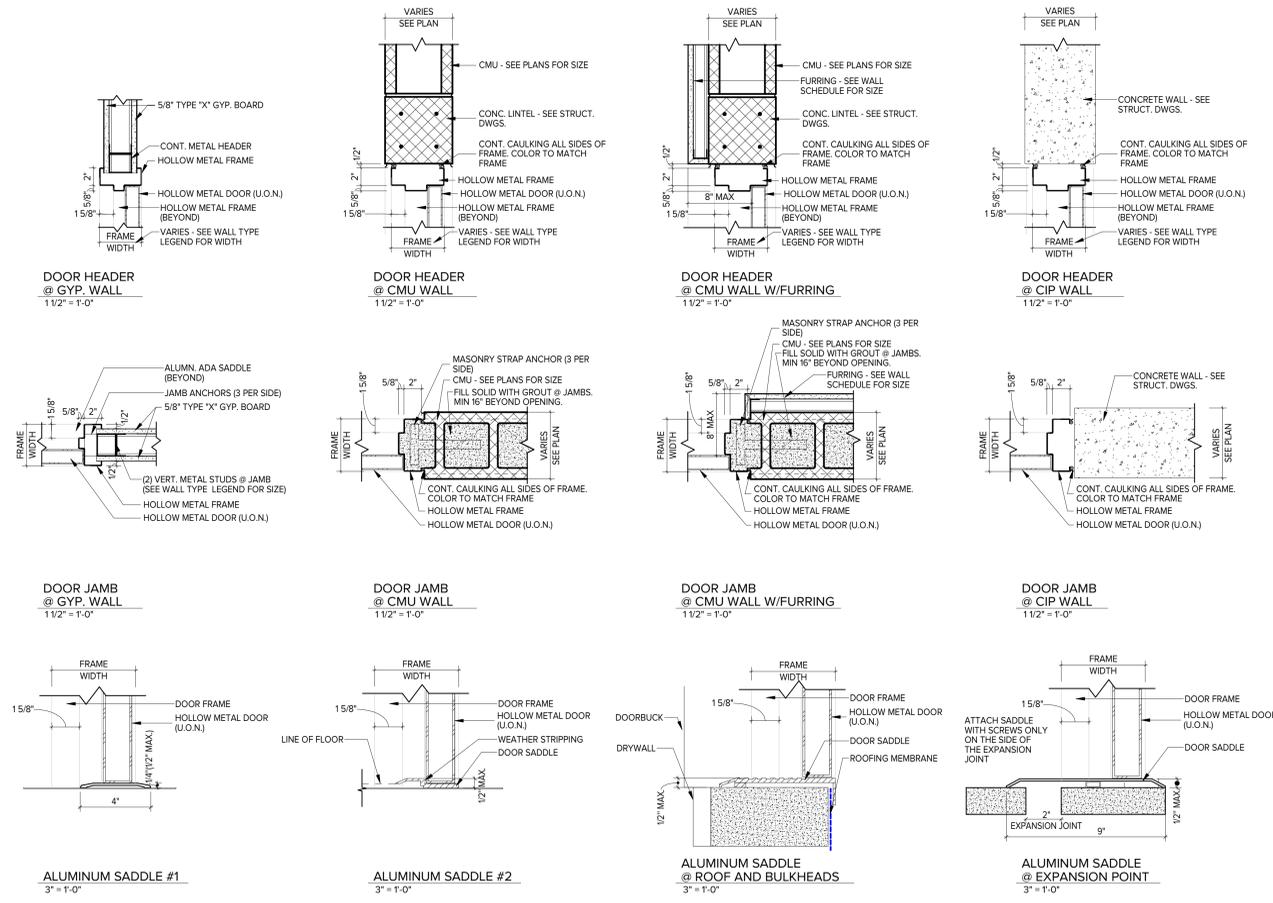
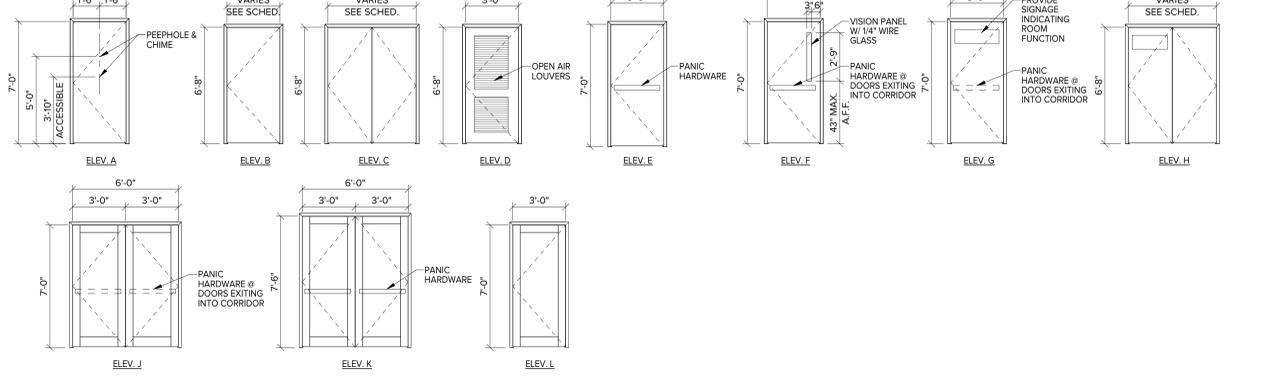
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REGISTERED ARCHITECT  
 ANSEL AUFGANG  
 STATE OF NEW YORK  
 No. 122789

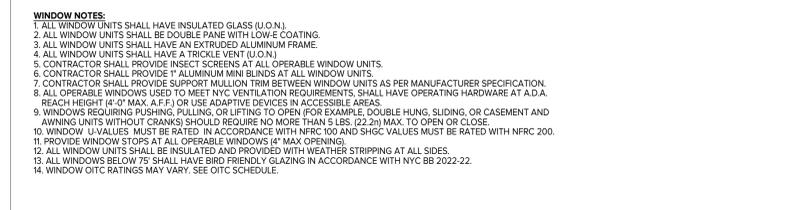
ISSUE DATE: 05/22/23 PROJECT NO: 22031  
 DRAWN BY: SCR CHECKED BY: JS  
 SCALE: As indicated SHEET NO: OF  
 DRAWING NO: **OER-202.00**  
 NYC DOB NUMBER:



ROOM DESIGNATION	DOOR DESIGNATION	DOOR SCHEDULE										REMARKS			
		DOOR ELEVATION	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	FIRE RATING	STC RATING	MATERIAL		FINISH	FIRE RATING	SADDLE MATERIAL
APARTMENT	19	A	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR		H.M.	PTD.	112'	ALUM.	
BATHROOM	2	B	3'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	MAR.		
BEDROOM	3	B	3'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS / LINEN	4	B	1'-8"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS / LINEN	4a	B	2'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS / LINEN	4b	B	2'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS / LINEN	4c	B	3'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS	5	C	3'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
CLOSET / COATS	5a	C	4'-0"	6'-8"	1 3/8"	FL/H.C.	WD.	PTD.	-	H.M.	PTD.	-	-		
W/D	6	C	2'-6"	6'-8"	1 3/8"	FL/DOOR	WD.	PTD.	-	H.M.	PTD.	-	-		
TERRACE DOOR	7	L	3'-0"	7'-0"	1 3/4"	FL/GLASS	ALUM.	ANO.	-	ALUM.	ANO.	-	ALUM.		
BATHROOM DOOR	24	B	3'-0"	6'-8"	1 3/8"										
PUBLIC SPACE	10	K	<varies>	7'-0"	1 3/4"	FL/GLASS	ALUM.	ANO.	-	ALUM.	ANO.	-	ALUM.		
STOREFRONT ENTRY	11	E	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
STAIR - INSULATED AT ROOF/EXTERIOR	12	F	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
REFUSE ROOM	14	G	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
FITNESS ROOM	15	J	6'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
RECREATION ROOM - EXTERIOR	16	J	6'-0"	7'-0"	1 3/4"	FL/GLASS	ALUM.	ANO.	-	ALUM.	ANO.	-	ALUM.		
TOILET	17	G	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	MAR.		
BI-CYCLE STORAGE	18	G	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
FITNESS ROOM	19	F	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
PACKAGE ROOM	20	G	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
MECHANICAL/GAS/WATER ROOM	21	G	3'-0"	7'-0"	1 3/4"	FL	H.M.	PTD.	112 HR	H.M.	PTD.	112'	ALUM.		
ELECTRIC CLOSET	22	H	3'-6"	7'-0"	1 3/8"	FL	H.M.	PTD.	-	H.M.	PTD.	-	-		



WINDOW TYPE	WINDOW SCHEDULE										REMARKS
	WINDOW DESIGNATION	UNIT WIDTH	UNIT HEIGHT	FRAME MATERIAL	FINISH	FIRE RATING (HOUR)	WIDTH	HEIGHT	OTC RATING	INSECT SCREEN	
CASEMENT/FIXED	W1	5'-0"	6'-9 1/2"	ALUM.	ANO.	-	5'-1"	6'-9 1/2"	31	Y	
CASEMENT/FIXED	W2	6'-0"	6'-9 1/2"	ALUM.	ANO.	-	6'-1"	6'-9 1/2"	31	Y	
CASEMENT/FIXED	W3	6'-0"	6'-8"	ALUM.	ANO.	-	6'-2"	6'-10"	31	Y	
FIXED	W4	6'-0"	6'-8"	ALUM.	ANO.	-	6'-2"	6'-10"	31	N	
STAIR WINDOW / LOUVER	W5	2'-6"	6'-4"	ALUM.	ANO.	1-1/2	2'-7"	6'-5"	-	N	



**WINDOW NOTES:**

- ALL WINDOW UNITS SHALL HAVE INSULATED GLASS (I.O.N.).
- ALL WINDOW UNITS SHALL BE DOUBLE PANE WITH LOW-E COATING.
- ALL WINDOW UNITS SHALL HAVE AN EXTRUDED ALUMINUM FRAME.
- ALL WINDOW UNITS SHALL HAVE A TRICKLE VENT (U.O.N.).
- CONTRACTOR SHALL PROVIDE INSECT SCREENS AT ALL OPERABLE WINDOW UNITS.
- CONTRACTOR SHALL PROVIDE 1" ALUMINUM MINI BLINDS AT ALL WINDOW UNITS.
- CONTRACTOR SHALL PROVIDE SUPPORT MULLION TRIM BETWEEN WINDOW UNITS AS PER MANUFACTURER SPECIFICATION.
- ALL OPERABLE WINDOWS USED TO MEET NYC VENTILATION REQUIREMENTS, SHALL HAVE OPERATING HARDWARE AT A.D.A. REACH HEIGHT (6'-0" MAX. A.F.F.) OR USE ADAPTIVE DEVICES IN ACCESSIBLE AREAS.
- WINDOWS REQUIRING PUSHING, PULLING, OR LIFTING TO OPEN (FOR EXAMPLE, DOUBLE HUNG, SLIDING, OR CASEMENT AND AWNING UNITS WITHOUT CRANKS) SHOULD REQUIRE NO MORE THAN 5 LBS. (22.2N) MAX. TO OPEN OR CLOSE.
- WINDOW U-VALUES, MUST BE RATED, IN ACCORDANCE WITH NFRC 100 AND SHGC VALUES MUST BE RATED WITH NFRC 200.
- PROVIDE WINDOW STOPS AT ALL OPERABLE WINDOWS (IF MAX. OPENING).
- ALL WINDOW UNITS SHALL BE INSULATED AND PROVIDED WITH WEATHER STRIPPING AT ALL SIDES.
- ALL WINDOWS BELOW 75" SHALL HAVE BIRD FRIENDLY GLAZING IN ACCORDANCE WITH NYC BB 2022-22.
- WINDOW OTC RATINGS MAY VARY. SEE OTC SCHEDULE.

**WINDOW ENERGY PERFORMANCE NOTES (ECC502.4):**

5.4.3.2 FENESTRATION AND DOORS. AIR LEAKAGE FOR FENESTRATION AND DOORS SHALL BE DETERMINED IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440, NFRC 400, OR ASTM E283 AS SPECIFIED BELOW. AIR LEAKAGE SHALL BE DETERMINED BY A LABORATORY ACCREDITED BY A NATIONALLY RECOGNIZED ACCREDITATION ORGANIZATION, SUCH AS THE NATIONAL FENESTRATION RATING COUNCIL, AND SHALL BE LABELED AND CERTIFIED BY THE MANUFACTURER. AIR LEAKAGE SHALL NOT EXCEED:

- 1.0 CFM/FT<sup>2</sup> FOR GLAZED SWINGING ENTRANCE DOORS AND REVOLVING DOORS, TESTED AT A PRESSURE OF AT LEAST 157 PSF 26 ANSIS/ASHRAES 90.1-2019 (P. EDITION) IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440, NFRC 400, OR ASTM E283.
- 0.05 CFM/FT<sup>2</sup> FOR CURTAIN WALL AND STOREFRONT GLAZING, TESTED AT A PRESSURE OF AT LEAST 157 PSF OR HIGHER IN ACCORDANCE WITH NFRC 400 OR ASTM E283.
- 0.3 CFM/FT<sup>2</sup> FOR UNIT SKYLIGHTS HAVING CONDENSATION WEEPAGE OPENINGS, TESTED AT A PRESSURE OF AT LEAST 157 PSF IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440 OR NFRC 400, OR 0.5 CFM/FT<sup>2</sup> TESTED AT A PRESSURE OF AT LEAST 6.24 PSF IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440.
- 1.3 CFM/FT<sup>2</sup> FOR NON-SWINGING DOORS INTENDED FOR VEHICULAR ACCESS AND MATERIAL TRANSPORTATION, WITH A MINIMUM OPENING RATE OF 32 IN./S, TESTED AT A PRESSURE OF AT LEAST 157 PSF OR HIGHER IN ACCORDANCE WITH ANS/DASMA 105, NFRC 400, OR ASTM E283.
- 0.4 CFM/FT<sup>2</sup> FOR OTHER NON-SWINGING OPAQUE DOORS, GLAZED SECTIONAL GARAGE DOORS, AND UPWARD ACTING NON-SWINGING GLAZED DOORS TESTED AT A PRESSURE OF AT LEAST 157 PSF OR HIGHER IN ACCORDANCE WITH ANS/DASMA 105, NFRC 400, OR ASTM E283, AND
- 0.2 CFM/FT<sup>2</sup> FOR ALL OTHER PRODUCTS TESTED AT A PRESSURE OF AT LEAST 157 PSF IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440 OR NFRC 400, OR 0.3 CFM/FT<sup>2</sup> TESTED AT A PRESSURE OF AT LEAST 6.24 PSF IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.5.2/A440.

**EXCEPTIONS:**

- FIELD-FABRICATED FENESTRATION AND DOORS
- METAL CEILING DOORS IN SEMIHEATED SPACES IN CLIMATE ZONES 1 THROUGH 6
- PRODUCTS IN BUILDINGS THAT COMPLY WITH A WHOLE BUILDING AIR LEAKAGE RATE OF 0.4 CFM/FT<sup>2</sup> UNDER A PRESSURE DIFFERENTIAL OF 0.3 IN. H<sub>2</sub>O, 137 PSF
- WHEN TESTED IN ACCORDANCE WITH ASTM E 779

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

# 579 SACKETT STREET

579 SACKETT STREET  
BROOKLYN, NY 11217

BLOCK: 426 LOT: 36

Architect:  
**AUFGANG.**  
74 LAFAYETTE AVENUE  
SUITE 301  
SUFFERN, NY 10901  
845.368.0004  
info@aufgang.com

Owner/Developer:  
**SLATE Property Group**

38 East 29th Street  
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Structural Engineer:  
**SEVERUD ASSOCIATES CONSULTING ENGINEERS, PC**  
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MEP Engineer:  
**SKYLINE ENGINEERING**

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10TH FLOOR  
NEW YORK, NY 10018  
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74 LAFAYETTE AVENUE  
SUITE 501  
SUFFERN, NY 10901  
(845) 368-1896

Lighting Consultant:  
**LILKER LIGHTING GROUP**

1001 AVENUE OF THE AMERICAS  
NEW YORK, NY 10018  
(212) 959-1000

DATE	DESCRIPTION
07-24-23	DOB REVIEW RESPONSE
07-03-23	ISSUED TO OER
06-29-23	DOB REVIEW RESPONSE
06-26-23	ISSUED TO HPD
06-22-23	60% CD
06-12-23	DOB REVIEW RESPONSE
04-26-23	ISSUED TO DOB
DATE	SUBMISSIONS / REVISIONS

SHEET TITLE:

## DOOR & WINDOW SCHEDULE

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ISSUE DATE: 03/20/23 PROJECT NO: 22031

DRAWN BY: SCR CHECKED BY: JS

SCALE: As indicated SHEET NO: OF

DRAWING NO: **A-600.00**

NYC DOB NUMBER:

**APPENDIX B**  
**PREVIOUS ENVIRONMENTAL REPORTS**  
**(ATTACHED SEPARATELY)**

**APPENDIX C**  
**GEOPHYSICAL SURVEY**

# **GEOPHYSICAL ENGINEERING SURVEY REPORT**

Commercial Property  
224 3rd Avenue,  
Brooklyn, New York 11217

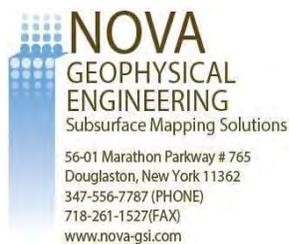
**NOVA PROJECT NUMBER:**  
23-3230

**DATED:**  
July 18, 2021

**PREPARED FOR:**  
**LANGAN**

21 Penn Plaza  
360 West 31st Street, 8th Floor  
New York, New York 10001  
[www.langan.com](http://www.langan.com)

**PREPARED BY:**



# NOVA GEOPHYSICAL SERVICES

## SUBSURFACE MAPPING SOLUTIONS

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

July 18, 2023

Liz McConnell  
Senior Staff Engineer

## LANGAN

21 Penn Plaza  
360 West 31st Street, 8th Floor  
New York, New York 10001-2727  
D: 212.479.5593 M: 281.813.5425  
E: [lmccConnell@langan.com](mailto:lmccConnell@langan.com)

Re: Geophysical Engineering Survey (GES) Report  
Commercial Site-  
224 3rd Avenue,  
Brooklyn, New York 11217

Dear Ms. McConnell,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 224 3<sup>rd</sup> Avenue, Brooklyn, New York 11217 (the "Site").

## INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on July 14<sup>th</sup>, 2021.

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

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

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

## GEOPHYSICAL METHODS

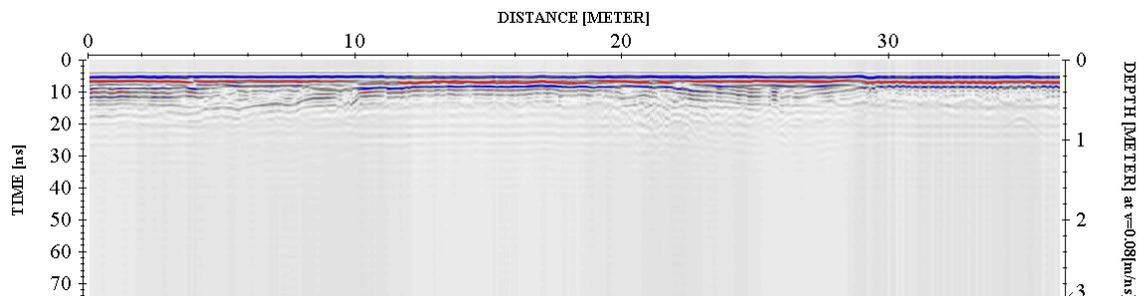
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

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

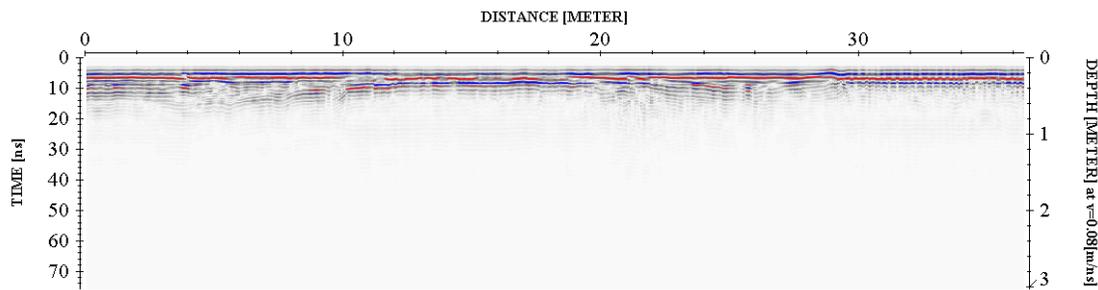
## DATA PROCESSING

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

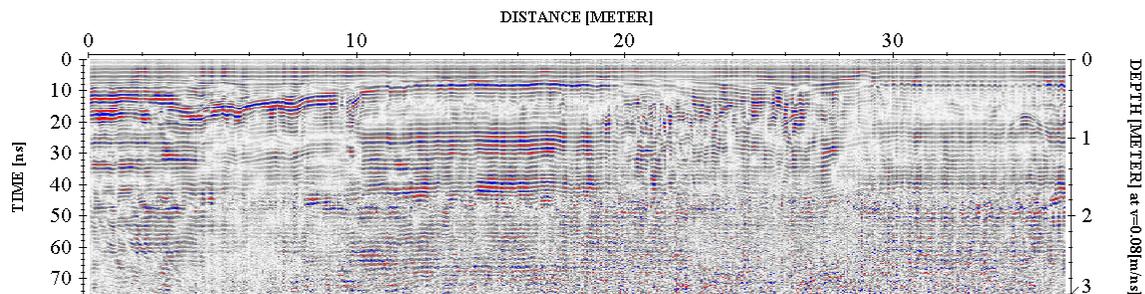
### Step 1. Import Raw RAMAC data to standard processing format



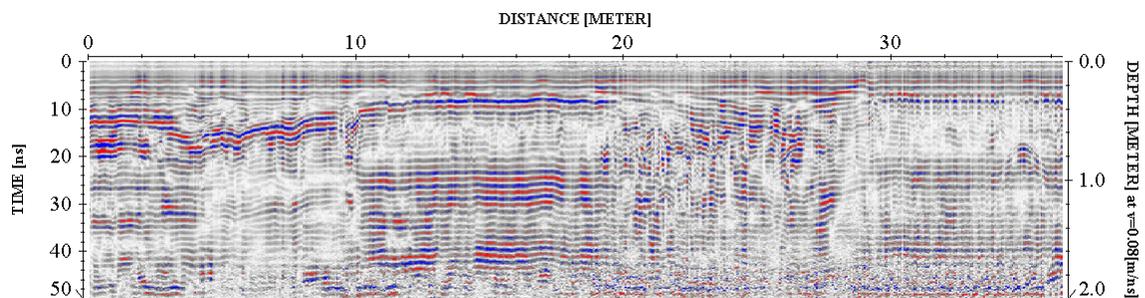
## Step 2. Remove instrument noise (*dewow*)



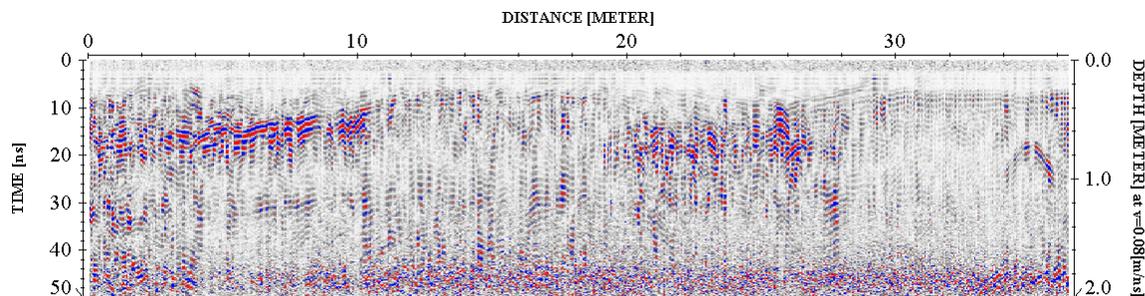
## Step 3. Correct for attenuation losses (*energy decay function*)



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



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



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

## PHYSICAL SETTINGS

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

**Weather:** Cloudy, Rainy

**Temperature:** 75° F

**Surface:** Concrete, Asphalt

**Survey Parameters:** A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 5'.

**Limitations:** The geophysical noise level at the site was very high due to being located in an urban environment and heavily reinforced concrete. A GPR grid scan was completed only in the vicinity of proposed boring locations in these areas.

## RESULTS

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

- The GES identified anomalies resembling potential subsurface utilities (such as sewer, water, gas, telecom and electric) located within the survey area. The approximate locations are shown in the survey plan.
- NOVA identified a suspected fill port, vent pipe, and cut fuel lines located aboveground during the GES. The lines were traced to an area beneath a tent (limited access area). A tank is suspected in this area but could not be confirmed at the time of the GES due to interference from a tent that had an asbestos warning covering it.
- NOVA additionally identified a port resembling either a fill port (for the above suspected UST) or a potential sewer cleanout (due to close proximity to sewer lines.) Due to limited access and excessive presence of geophysical noise, the associated anomaly was not able to be identified during the GES. Shown in the survey plan.
- NOVA cleared and marked all boring locations shown in the survey plan.

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

Sincerely,

**NOVA Geophysical Services**



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

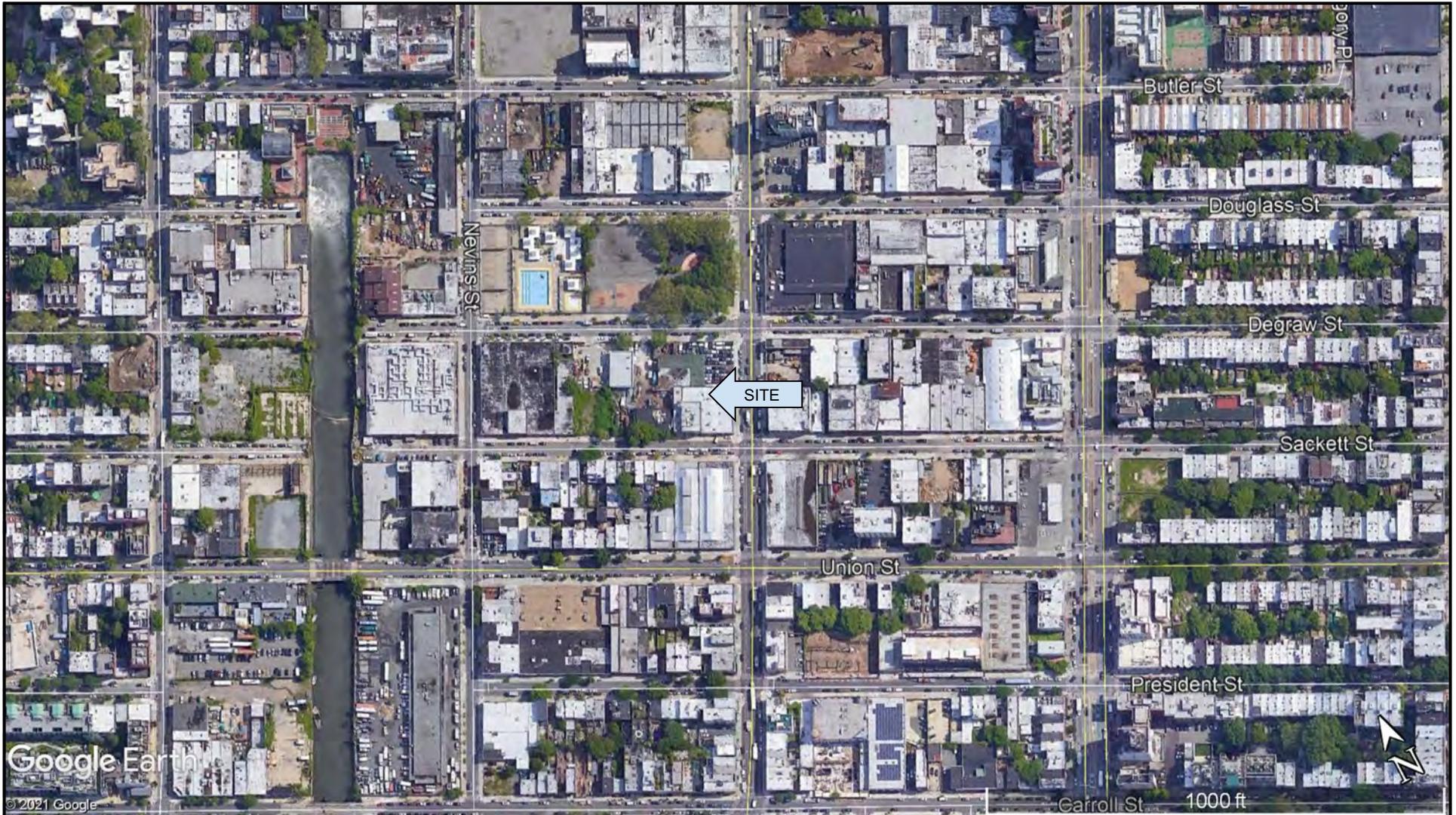
Project Manager

**Attachments:**

Location Map

Survey Plan

Geophysical Images



Google Earth

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### LOCATION MAP

### LEGEND

## NOVA Geophysical Services

**Subsurface Mapping Solutions**

56-01 Marathon Parkway, # 765

Douglaston, New York 11362

Phone (347) 556-7787 \* Fax (718) 261-1527

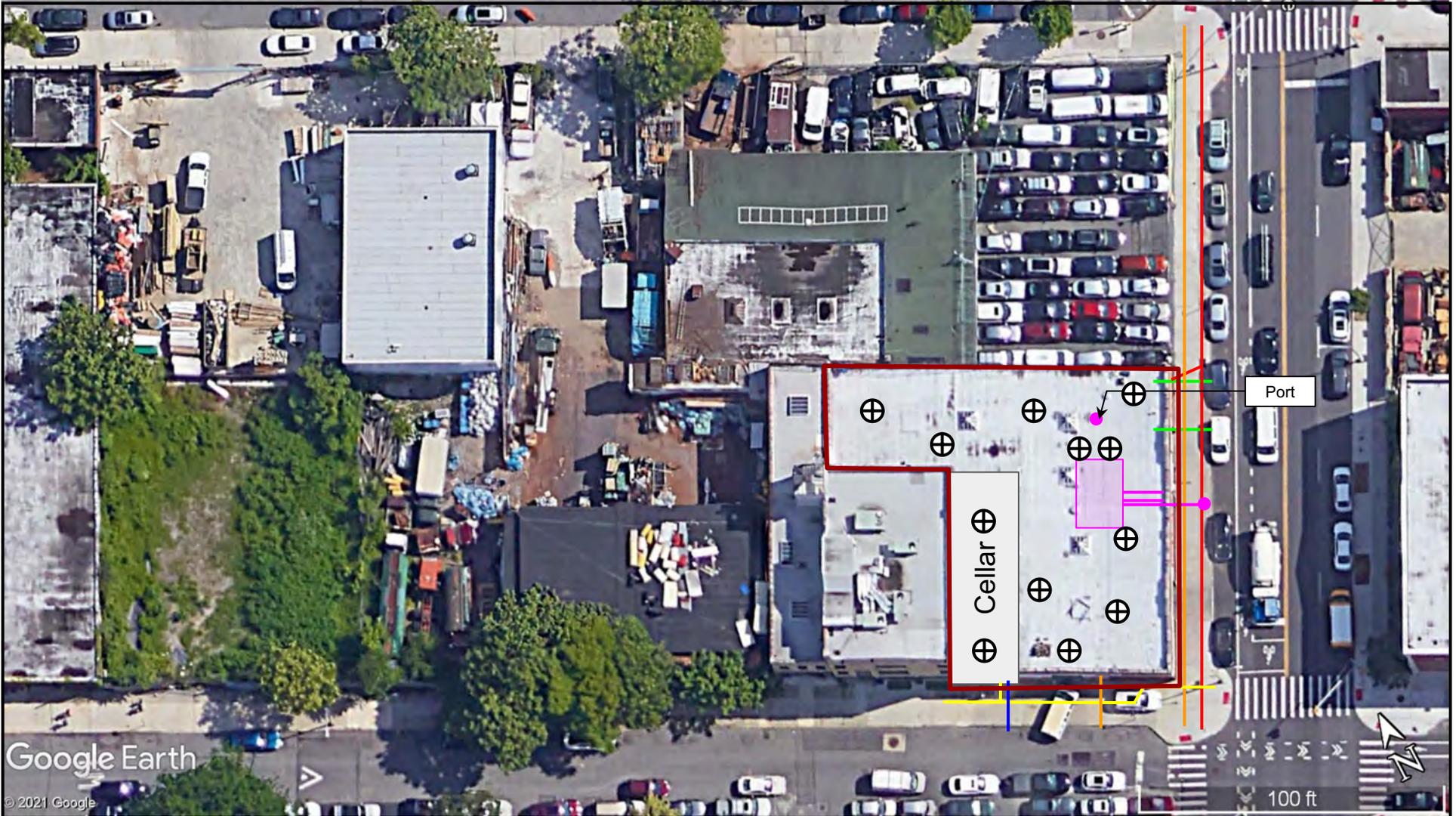
www.novagsi.com

SITE: **Commercial Site**  
224 3rd Avenue  
Brooklyn, New York 11217

CLIENT: Langan

DATE: July 14<sup>th</sup>, 2023

AUTH: Raymond Looney



Google Earth

© 2021 Google

100 ft

### SURVEY PLAN

### LEGEND

## NOVA Geophysical Services

**Subsurface Mapping Solutions**

56-01 Marathon Parkway, # 765

Douglaston, New York 11362

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DATE: July 14<sup>th</sup>, 2023

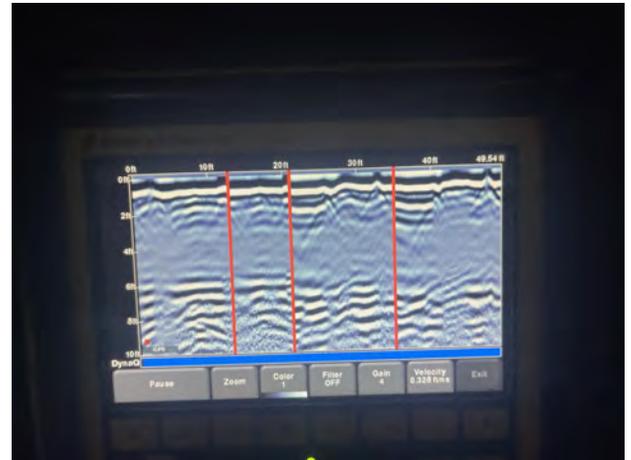
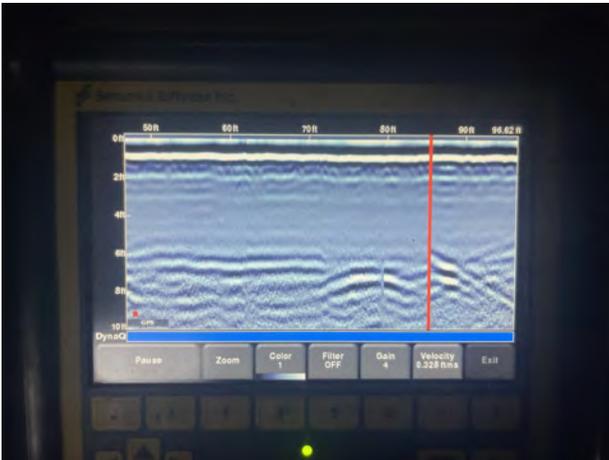
AUTH: Raymond Looney

-  Survey Area
-  Sewer
-  Water
-  Gas
-  Electric
-  Telecom

-  AST
-  Anomaly (UST Area)
-  Tank Line
-  Boring

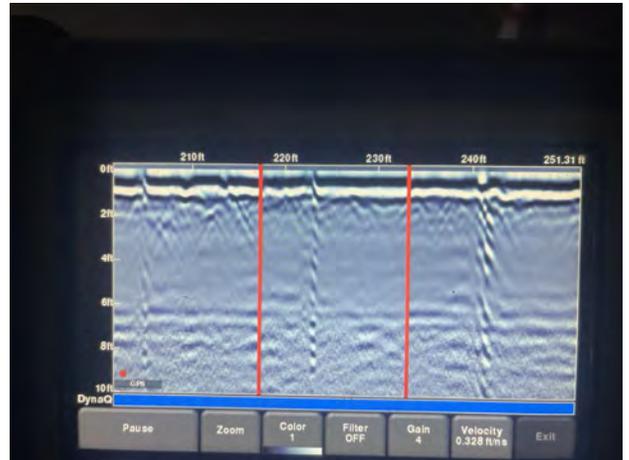
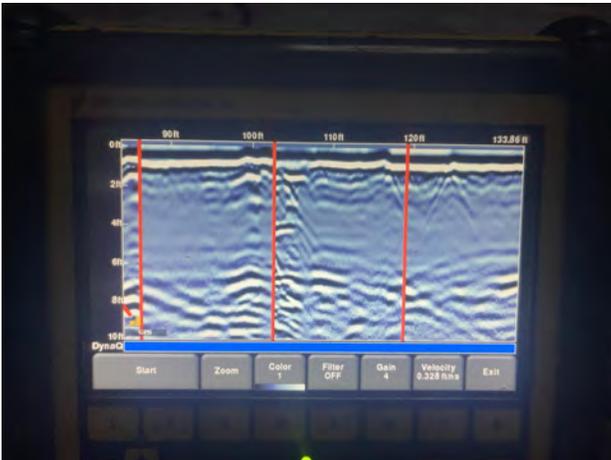
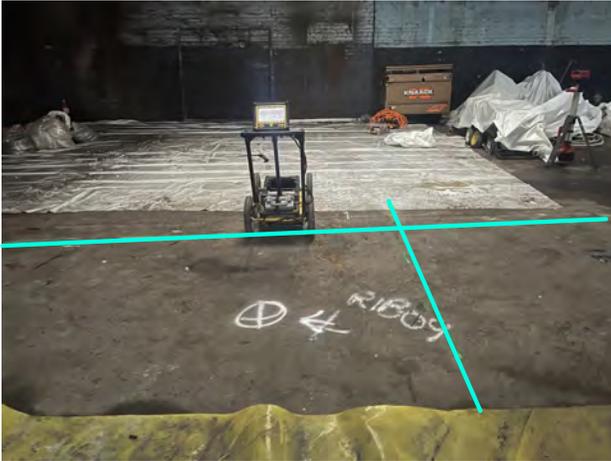
# GEOPHYSICAL IMAGES

Langan  
224 Third Avenue  
Brooklyn, New York 11217  
July 14th, 2023



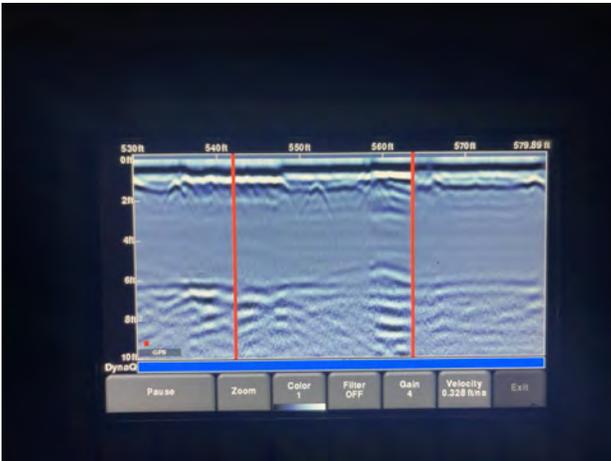
# GEOPHYSICAL IMAGES

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224 Third Avenue  
Brooklyn, New York 11217  
July 14th, 2023



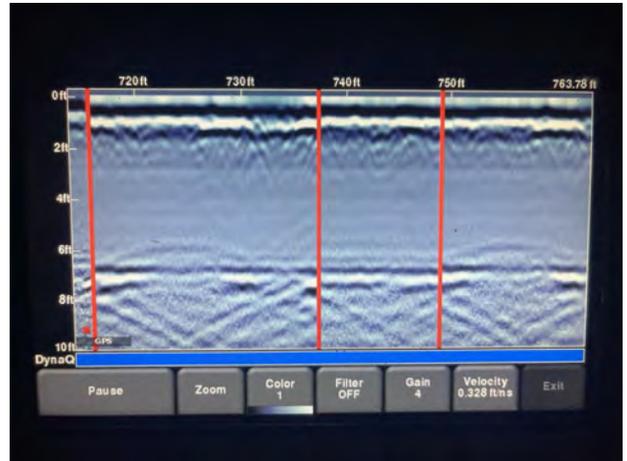
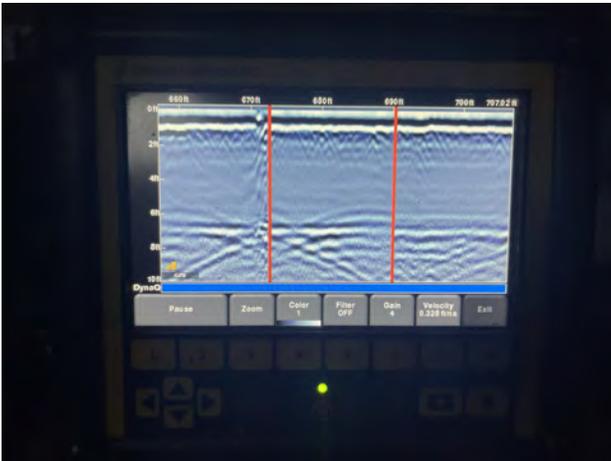
# GEOPHYSICAL IMAGES

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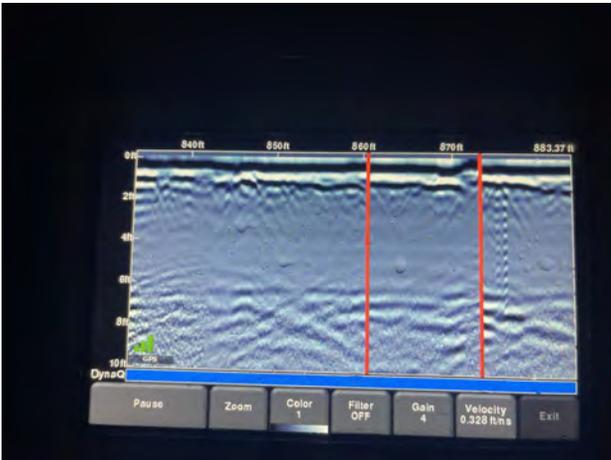
# GEOPHYSICAL IMAGES

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July 14th, 2023



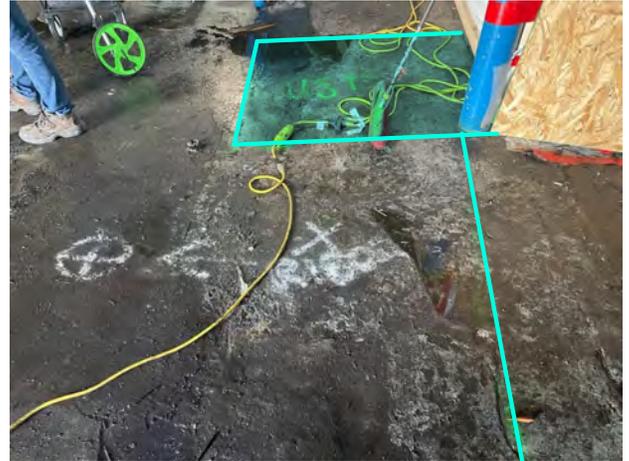
# GEOPHYSICAL IMAGES

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# GEOPHYSICAL IMAGES

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224 Third Avenue  
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July 14th, 2023



**APPENDIX D**  
**SOIL BORING LOGS**

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/17/2023	Date Finished 7/17/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 30.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples 6	Disturbed 6	Undisturbed 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 12.0	Completion $\nabla$ 12.2
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (ft)	Penet-resist BL/6in		PID Reading (ppm)
		CONCRETE	0						
		Brown to tannish brown fine SAND, trace silt, brick, coal, trace fine gravel, ceramics, mortar (moist) [FILL]	1					0.0	Sample RIB01_0-2
			2					0.0	
			3	M-1	Macrocore	36/57		0.0	
			4					0.0	
			5					0.0	
		Brown to tannish brown fine SAND, trace silt, coal ash, coal, trace fine gravel (moist) [FILL]	6					0.0	10ft to 13.5ft gasoline-like odor
			7					0.0	
			8	M-2	Macrocore	36/60		0.0	
			9					0.0	
			10					0.6	
		Tannish brown fine SAND, some silt, trace fine gravel (moist) [SM]	11					0.0	Sample RIB01_11.5-13.5 12ft to 13.5ft matte-black staining, diffuse upper and lower boundary
			12					4.6	
			13	M-3	Macrocore	42/60		89.9	
			14					421.9	
			15					512.8	
		Tannish brown fine SAND, some silt, trace fine gravel (wet) [SM]	16					555.3	
								492.1	
								115.4	

Project		Project No.						
224 3rd Avenue		170758101						
Location		Elevation and Datum						
Brooklyn, New York		N/A						
Material Symbol	Elev. (ft)	Sample Description	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
			Depth Scale	Number	Type	Recov. (in)		Penetr-resist BL/6in
	-16.0		16				11.4	
			17				8.2	
			18	M-6	Macrocore	12/60	12.3	
			19				22.4	
			20				12.9	
		Tannish brown fine SAND, trace silt, trace fine gravel (wet) [SP-SM]	21				8.6	
			22				5.8	
			23				10.7	
			24	M-4A	Macrocore	54/60	0.0	
		Gray CLAY (>1/16th ribbon, slow dilatancy) (wet) [CH]	25				0.0	
			26	M-4B	Macrocore		0.0	
		Grayish tan fine SAND, trace clay (wet) [SP-SC]	27				0.0	
			28	M-5A	Macrocore		0.0	Sample RIB01_25.5-27.5
			29				0.2	
			30				0.4	
		Gray CLAY, shell, (>1/16th ribbon, slow dilatancy) (wet) [CH]	31				0.4	
			32	M-5B	Macrocore	30/60	0.5	27ft to 27.5ft organic odor
			33					
		End of Boring at 30ft.	34					
			35					Bottom of boring at 30ft. Backfilled with No. 2 sand to 20ft. Set 10ft of 0.020 slot screen at 20ft bgs.
			36					

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/19/2023	Date Finished 7/19/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 30.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 6	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 11.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penet-resist BL/6in	
		CONCRETE	0					
		Tannish brown fine SAND, trace silt, concrete, coal ash, coal, brick, trace fine gravel (moist) [FILL]	1					0.0
			2					0.0
			3	M-1	Macrocore	20/54		
			4					
		Brown fine SAND, trace silt, glass, brick, trace fine gravel (moist) [FILL]	5					0.0
			6					0.0
			7					0.0
			8	M-2	Macrocore	26/60		
			9					
		Brown fine SAND, trace silt, glass, brick, trace fine gravel, concrete, coal ash, coal (moist) [FILL]	10					0.0
			11					0.0
			12					0.0
			13	M-3	Macrocore	18/60		
			14					
		Dark brown fine SAND, some gravel, brick, coal, coal ash (wet) [FILL]	15					0.0
			16					

Project		224 3rd Avenue		Project No.		170758101		
Location		Brooklyn, New York		Elevation and Datum		N/A		
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr-resist BL/6in	
	-16.0		16					
			17					
			18	M-4	Macrocore	10/60		
			19					
		No Recovery	20					
			21					
			22					
			23	M-5	Macrocore	0/60		
			24					
		Gray CLAY (>1/16th ribbon, slow dilatancy) (wet) [CH]	25				0.0	25ft to 30ft bgs earthy-like odor
			26				0.0	
			27				0.0	
			28	M-6	Macrocore	60/60	0.0	
			29				0.5	
			30				1.2	
		End of Boring at 30ft.	30				0.0	Bottom of boring at 30ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.
			31				1.6	
			32					
			33					
			34					
			35					
			36					

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/18/2023	Date Finished 7/18/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 5	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 12.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penetr-resist BL/6in	
		CONCRETE	0					
		Tannish brown fine SAND, brick, trace silt, concrete, trace fine gravel, coal ash, coal (moist) [FILL]	1					0.0
			2					0.0
			3	M-1	Macrocore	30/48		0.0
			4					0.0
		Tannish brown fine SAND, brick, trace silt, concrete, trace fine gravel, coal ash, coal (moist) [FILL]	5					0.0
			6					0.0
			7					0.0
			8	M-2	Macrocore	30/60		0.0
			9					0.0
		Tannish brown fine SAND, brick, some silt, trace fine gravel, coal (moist) [FILL]	10					0.0
			11	M-3A				0.0
		Tannish brown fine SAND, brick, some silt, trace fine gravel, coal (wet) [FILL]	12					0.0
			13					0.0
			14	M-3B	Macrocore	30/60		0.0
			15					0.0
		Tannish brown fine SAND, brick, some silt, trace fine gravel, coal, ceramics (wet) [FILL]	16					0.0

Project		224 3rd Avenue		Project No.		170758101	
Location		Brooklyn, New York		Elevation and Datum		N/A	
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	PID Reading (ppm)	
	-16.0		16			0.0	
			17			0.0	
			18	M-4	Macrocore		
			19				
			20			0.0	
		Tannish brown fine SAND, trace fine gravel, trace clay (wet) [SP-SC]	21			0.0	
			22	M-5A	Macrocore		
			23			0.0	
			24			0.0	
		Dark brown Organic CLAY (>1/16 ribbon, slow dilatancy) (wet) [OH]	25	M-5B	Macrocore		
		End of Boring at 25ft.	26			0.0	Bottom of boring at 25ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.
			27			0.0	
			28			0.0	
			29			0.0	
			30			0.0	
			31			0.0	
			32			0.0	
			33			0.0	
			34			0.0	
			35			0.0	
			36			0.0	

# LANGAN

Log of Boring **RIB01-W**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/19/2023	Date Finished 7/19/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 20.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples 4	Disturbed 4	Undisturbed 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 15.0	Completion $\nabla$ N/A
Casing Hammer N/A			Weight (lbs) N/A	Drop (in) N/A	24 HR. $\nabla$ N/A
Sampler 60-inch Macrocore with acetate liner			Drilling Foreman Nick Turro		
Sampler Hammer N/A			Field Engineer Ali Reach		

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (ft)	Penet-resist BL/6in		PID Reading (ppm)
		CONCRETE	0						
		Tannish brown fine SAND, trace silt, glass, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	1					0.0	
			2					0.0	
			3	M-1	Macrocore	30/54		0.0	
			4					0.0	
		Tannish brown fine SAND, trace silt, glass, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	5					0.0	
			6					0.0	
			7					0.0	
			8	M-2	Macrocore	24/60		0.0	
			9					0.0	
		Tannish brown fine SAND, trace silt, glass, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	10					0.0	
			11					0.0	
			12					0.0	
			13	M-3	Macrocore	12/60		0.0	
		Tannish brown fine SAND, trace silt, brick, coal, trace fine gravel (wet) [FILL]	15					21.7	Sample RIB01_W_15-16
			16					4.2	15ft to 16ft bgs gasoline-like odor

Project		224 3rd Avenue		Project No.		170758101			
Location		Brooklyn, New York		Elevation and Datum		N/A			
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
	-16.0		16	M-4A				1.2	
		Dark gray Organic CLAY, (>1/16 ribbon, slow dilatancy) fibrous vegetation [OH]	17	Macrocore	38/60			0.8	
			18					1.2	Sample RIB01_W_17-18
			19					0.7	
			20					0.9	Bottom of boring at 20ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.
			21					0.4	
		End of Boring at 20ft.	22					0.8	
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						

# LANGAN

Log of Boring **RIB02**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/18/2023	Date Finished 7/18/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 5	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 13.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penet-resist BL/6in	
		CONCRETE	0					
		Tannish brown fine SAND, trace silt, glass, coal ash, coal, trace fine gravel, brick (moist) [FILL]	1					Sample RIB02_0-2
			2					
			3	M-1	Macrocore	30/54		
			4					
		Tannish brown fine SAND, trace silt, glass, coal ash, coal, trace fine gravel, brick (moist) [FILL]	5					
			6					
			7					
			8	M-2	Macrocore	36/60		
			9					
		Tannish brown fine SAND, trace silt, glass, coal ash, coal, trace fine gravel, brick (moist) [FILL]	10					
			11					
			12					
			13	M-3A	Macrocore	42/60		
		Tannish brown fine SAND, coal, some silt, trace fine gravel, glass (wet) [FILL]	14					
			15	M-3B				
		Tannish brown fine SAND, coal, trace silt, trace fine gravel, glass, coal ash, brick (wet) [FILL]	16					

Project		224 3rd Avenue		Project No.		170758101	
Location		Brooklyn, New York		Elevation and Datum		N/A	
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	PID Reading (ppm)	
	-16.0		16	M-4A		0.0	Sample RIB02_15.5-17.5
			17			0.0	
		Grayish brown fine SAND, some clay, trace fine gravel (wet) [SC]	18		60/60	0.0	
			19	M-4B		0.0	
			20			0.0	
		Gray CLAY (>1/8 ribbon, slow dilatancy) (wet) [CL]	21			0.0	
			22			0.0	
			23	M-5	12/60	0.0	
			24			0.0	
		End of Boring at 25ft.	25			0.0	
			26				Bottom of boring at 25ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.
			27				
			28				
			29				
			30				
			31				
			32				
			33				
			34				
			35				
			36				

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/17/2023	Date Finished 7/17/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 5	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 14.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr-resist BL/6in	PID Reading (ppm)	
		CONCRETE	0						
		Brown fine SAND, trace silt, coal, coal ash, concrete, trace fine gravel (moist) [FILL]	1					0.0	Sample RIB03_0-2; Sample RIB03_0-2
			2					0.0	
			3	M-1	Macrocore	22/54		0.0	
			4					0.0	
		Brown fine SAND, trace silt, coal, coal ash, concrete, trace fine gravel (moist) [FILL]	5					0.0	Sample RIB03_10.5-12.5
			6					0.0	
			7					0.0	
			8	M-2	Macrocore	15/60		0.0	
			9					0.0	
			10					0.0	
		Tannish brown fine SAND, some silt (moist) [SM]	11	M-3A				0.3	
			12					0.7	
			13					13.4	
		Gray CLAY, (>1/16 ribbon, slow dilatancy) fibrous vegetation (wet) [CH]	14	M-3B	Macrocore	33/60		681.5	
			15					0.5	
		Grayish brown fine SAND, fibrous vegetation, some clay (wet) [SC]	16	M-4A				0.0	

Project		Project No.							
224 3rd Avenue		170758101							
Location		Elevation and Datum							
Brooklyn, New York		N/A							
Material Symbol	Elev. (ft)	Sample Description	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)		
			Depth Scale	Number	Type	Recov. (in)		Penetr-resist BL/6in	PID Reading (ppm)
	-16.0	Gray CLAY, (>1/32 ribbon, slow dilatancy) fibrous vegetation (wet) [CH]	16					0.0	Sample RIB03_15-17
			17					0.5	
			18	M-4B	Macrocore	24/60		0.2	
			19						
		Gray CLAY, fibrous vegetation, shell (wet) [CH]	20					0.7	20ft to 22ft earthy-like odor
			21					0.2	
			22					0.1	
			23					0.0	
			24					0.0	
			25	M-5	Macrocore	36/60		0.0	Bottom of boring at 25 ft. Backfilled with No. 2 sand to 20ft. Set 10ft of 0.020 slot screen at 20ft bgs.
		End of Boring at 25ft.	26					0.0	
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						

# LANGAN

Log of Boring **RIB04**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/17/2023		Date Finished 7/17/2023
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft		Rock Depth N/E
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 5		Undisturbed 0 Core 0
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 15.0		Completion $\nabla$ N/A 24 HR. $\nabla$ N/A
Casing Hammer N/A		Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro	
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A		Weight (lbs) N/A	Drop (in) N/A		

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (ft)	Penetr. resist BL/6in		PID Reading (ppm)
[Cross-hatch pattern]		Dark brown fine SAND, trace silt, coal, brick, trace fine gravel, concrete (moist) [FILL]	0					0.0	Sample RIB04_0-2
			1					0.0	
			2					0.0	
			3	M-1	Macrocore	30/60		0.0	
			4						
			5					0.0	
			6					0.0	
			7						
			8	M-2	Macrocore	14/60			
			9						
		10							
		No Recovery	11						
			12						
			13	M-3	Macrocore	0/60			
			14						
			15					0.0	
		Brown fine SAND, some clay, trace fine gravel (wet) [SC]	16					0.0	

Project		224 3rd Avenue		Project No.		170758101		
Location		Brooklyn, New York		Elevation and Datum		N/A		
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	PID Reading (ppm)		
	-16.0		16				0.0	
			17				0.0	
			18	M-4	Macrocore	51/60	0.0	
			19				0.0	
		Grayish brown fine SAND, some clay, trace fine gravel (wet) [SC]	20	M-5A			0.0	
			21				0.0	
		Gray to dark brown CLAY (>1/16 ribbon, slow dilatancy), fibrous vegetation, shell (wet) [CH]	22				0.0	
			23	M-5B	Macrocore	34/60	0.0	Sample RIB04_21-23
			24				0.0	
		End of Boring at 25ft.	25				0.0	Bottom of boring at 25ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					
			36					

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/17/2023	Date Finished 7/18/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 30.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples 6	Disturbed 0	Undisturbed 0
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 11.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penetr-resist BL/6in	PID Reading (ppm)	
		Brown fine SAND, trace silt, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	0					0.0	Sample RIB05_0-2
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
		Brown fine SAND, trace silt, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	5					0.0	Sample RIB05_10-12
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
		Brown fine SAND, trace silt, concrete, trace fine gravel, coal, coal ash, brick (moist) [FILL]	10					0.0	Sample RIB05_10-12
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
		Grayish brown fine SAND, trace silt, trace fine gravel, coal, ceramics (wet) [FILL]	11					0.0	Sample RIB05_10-12
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
		Grayish brown fine SAND, trace silt, trace fine gravel, coal, ceramics (wet) [FILL]	15					0.0	Sample RIB05_10-12
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	

Project		224 3rd Avenue		Project No.		170758101		
Location		Brooklyn, New York		Elevation and Datum		N/A		
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)		Penetr-resist BL/6in
	-16.0		16				0.0	
			17					
			18	M-4	Macrocore	12/60		
		Grayish brown fine SAND, trace silt, trace fine gravel, coal, ceramics (wet) [FILL]	19					
			20				0.0	
			21				0.0	
			22				0.0	
			23	M-5	Macrocore	12/60		
			24					
		Dark brown to black Organic CLAY (wet) [OH]	25				0.0	
			26				0.2	
			27				17.3	
			28				26.3	
			29	M-6	Macrocore	60/60	0.6	
			30				1.5	
		End of Boring at 30ft.	31				7.5	
			32				0.2	
			33				0.3	
			34				0.2	
			35					Bottom of boring at 30ft. Backfilled with No. 2 sand to 19ft. Set 10 feet of 0.020 slotted screen at 19ft bgs.
			36					

# LANGAN

Log of Boring **RIB05\_D**

Sheet 1 of 6

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Coastal Environmental Solutions, Inc.			Date Started 7/26/2023	Date Finished 7/26/2023	
Drilling Equipment Eijkelkamp Sonic Drill Rig			Completion Depth 110.0 ft	Rock Depth N/E	
Size and Type of Bit 4.5-inch Sonic Steel Bit			Number of Samples 22	Disturbed 22	Undisturbed 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 11.5	Completion $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Patrick Slavin		
Sampler 60-inch Polyethylene bag			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Color Code	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (ft)	Penetr-resist BL/6in	
			[CONCRETE]	0					
			Brown fine SAND, trace silt, coal, trace fine gravel, coal ash, glass (moist) [FILL]	1					0.0
				2					0.0
				3	M-1	Sonic	38/60		0.0
				4					0.0
			No Recovery	5					
				6					
				7	M-2	Sonic	0/60		
				8					
				9					
			Brown to tannish brown fine SAND, trace silt, trace fine gravel, coal, ceramics, coal ash (moist) [FILL]	10					0.0
				11					0.0
				12					0.0
				13	M-3	Sonic	36/60		0.0
				14					0.0
			Brown to tannish brown fine SAND, trace silt, trace fine gravel, coal, ceramics (wet) [FILL]	15					0.0
				16					0.0

Project			Project No.							
224 3rd Avenue			170758101							
Location			Elevation and Datum							
Brooklyn, New York			N/A							
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
		-16.0		16					0.0	
				17						
				18	M-4	Sonic	12/60			
			Tannish gray fine SAND, trace clay, trace fine gravel, brick, coal (wet) [FILL]	19						
				20					0.0	
				21	M-5A				0.0	
			Grayish brown organic CLAY, (<1/32 inch ribbon, slow dilatancy) (wet) [OH]	22					0.0	
				23					0.0	
				24	M-5B	Sonic	36/60		0.0	
			Grayish brown CLAY, (>1/32 inch ribbon, slow dilatancy) (wet) [OH]	25					0.1	
				26					3.0	
				27					5.1	
				28	M-6	Sonic	36/60		3.4	
				29					8.3	26.5ft to 28ft earthy-like odor
				30					18.5	
			Gray fine SAND, trace clay, trace fine gravel (wet) [SP-SC]	31					4.8	
				32					0.0	
				33	M-7	Sonic	42/60		0.0	
				34					0.0	
				35					0.0	
			Gray fine SAND, trace fine gravel, clay lenses, fibrous vegetation (wet) [SP-SC]	36	M-8A				3.4	

Project			Project No.						
224 3rd Avenue			170758101						
Location			Elevation and Datum						
Brooklyn, New York			N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr-resist BL/6in	
	Green	-36.0	Brown to dark brown PEAT (wet) [PT]	36				25.1	36ft to 38ft earthy-like odor
			37	M-8B	Sonic	42/60		18.4	
			38					6.3	
	39					2.5			
	40					0.0			
	41					0.0			
	42					0.0			
	43					0.0			
	44					0.0			
	45					0.0			
	46					0.0			
	47					0.0			
	48					0.0			
	49					0.0			
	50		No Recovery						
	51								
	52								
	53								
	54								
	55		No Recovery						
	56								

Project			Project No.						
224 3rd Avenue			170758101						
Location			Elevation and Datum						
Brooklyn, New York			N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr-resist BL/6in	
		-56.0		56					
				57					
				58	M-12	Sonic	0/60		
				59					
			Tannish brown medium to fine SAND, trace silt (bimodal) (wet) [SP]	60				0.0	
				61	M-13 A			0.0	
			Tannish brown fine SAND, some silt (wet) [SM]	62		Sonic	36/60	0.0	
				63	M-13 B			0.0	
				64				0.0	
			Tannish brown fine to medium SAND, trace silt, trace fine gravel (wet) [SP]	65				0.0	
				66				0.0	
				67				0.0	
				68	M-14	Sonic	36/60	0.0	
				69				0.0	
			Tannish brown fine SAND, some silt (wet) [SM]	70				0.0	
				71				0.0	
				72				0.0	
				73	M-15	Sonic	36/60	0.0	
				74				0.0	
			Tannish brown fine SAND, some silt (wet) [SM]	75				0.0	
				76				0.0	

Project				Project No.						
224 3rd Avenue				170758101						
Location				Elevation and Datum						
Brooklyn, New York				N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
		-76.0								
				76					0.0	
				77					0.0	
				78	M-16	Sonic	34/60		0.0	
				79						
			Tannish brown fine to medium SAND, trace silt, trace fine gravel, (bimodal) (wet) [SM]	80					0.0	
				81					0.0	
				82					0.0	
				83	M-17	Sonic	38/60		0.0	
				84					0.0	
			Tannish brown fine to medium SAND, trace silt, trace fine gravel, (bimodal) (wet) [SM]	85					0.0	
				86					0.0	
				87					0.0	
				88	M-18	Sonic	30/60		0.0	
				89					0.0	
			Tannish brown medium to fine SAND, trace silt, (bimodal) (wet) [SP]	90					0.0	
				91					0.0	
				92					0.7	
				93	M-19	Sonic	42/60		1.9	
				94					42.3	93ft to 93.5ft dark gray matte staining, diffuse upper and lower boundaries
				95					6.0	93ft to 93.5ft faint naphtha-like odor
			Tannish brown medium to fine SAND, trace silt (bimodal) (wet) [SP]	95					8.5	
				96					22.1	95ft to 96.5ft matte-dark gray staining, diffuse upper and lower boundaries

Project			Project No.							
224 3rd Avenue			170758101							
Location			Elevation and Datum							
Brooklyn, New York			N/A							
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
		-96.0		96					55.3	96ft negative sheen test Sample RIB05_D_95-97 95ft to 100ft faint naphtha-like odor; (96ft bgs main source of odor)
				97					12.4	
				98	M-20	Sonic	42/60		9.7	
				99					6.8	
				100					4.2	
				101					0.0	
				102					0.0	
				103	M-21	Sonic	52/60		0.0	
				104					0.0	
				105					0.0	
			Tannish brown fine SAND, some silt, trace fine gravel (wet) [SM]	100					0.0	Sample RIB05_D_100-102
				101					0.0	
				102					0.0	
				103					0.0	
				104					0.0	
				105					0.0	
				106					0.0	
				107					0.0	
				108	M-22	Sonic	52/60		0.0	
				109					0.0	
			Tannish brown fine SAND, dark brown lenses, some silt, trace fine gravel (wet) [SM]	105					0.0	
				106					0.0	
				107					0.0	
				108					0.0	
				109					0.0	
				110					0.0	
				111					0.0	
End of Boring at 110ft.			110						Bottom of boring at 110ft bgs. Borehole grouted to grade and patched with concrete.	
			111							
			112							
			113							
			114							
			115							
			116							

# LANGAN

Log of Boring **RIB06**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/18/2023	Date Finished 7/18/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 30.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 6	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 11.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (ft)	Penetr-resist BL/6in		PID Reading (ppm)	
		Tannish brown to brown fine SAND, trace silt, trace fine gravel, brick, coal, glass, coal ash (moist) [FILL]	0					0.0	Sample RIB06_0-2	
			1					0.0		
			2	M-1	Macrocore	24/60		0.0		
			3					0.0		
			Tannish brown to brown fine SAND, trace silt, trace fine gravel, brick, coal, glass, coal ash (moist) [FILL]	5					0.0	Sample RIB06_10-12
				6				0.0		
				7	M-2	Macrocore	34/60	0.0		
				8				0.0		
			Tannish brown to brown fine SAND, some silt, trace fine gravel, brick, coal, glass, coal ash (moist) [FILL]	10					0.0	Sample RIB06_15-16
				11	M-3A	Macrocore		0.0		
			Tannish brown to brown fine SAND, some silt, trace fine gravel, brick, coal, glass, coal ash, lumber (wet) [FILL]	12				0.0		
				13	M-3B	Macrocore	36/60	0.0		
			Tannish brown to grayish brown fine SAND, some silt, trace fine gravel, brick, coal, lumber (wet) [FILL]	15					0.0	Sample RIB06_15-16
				16				0.0		

Project		224 3rd Avenue		Project No.		170758101			
Location		Brooklyn, New York		Elevation and Datum		N/A			
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
	-16.0		16					0.0	
			17	M-4	Macrocore	12/60			
			18						
			19						
		No Recovery	20						
			21						
			22	M-5	Macrocore	0/60			
			23						
			24						
		Gray to grayish brown CLAY, shell, fibrous vegetation, (>1/16 ribbon, slow dilatancy) (wet) [CH]	25					1.0	
			26					2.4	
			27					3.7	
			28	M-6	Macrocore	60/60		5.6	
			29					3.6	
			30					4.2	
		End of Boring at 30ft.	31					5.0	
			32					4.1	
			33					3.9	
			34					5.0	
			35						
			36						
									Bottom of boring at 30ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.

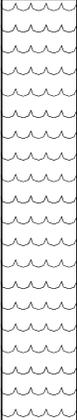
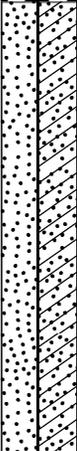
# LANGAN

Log of Boring **RIB06\_D**

Sheet 1 of 6

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Coastal Environmental Solutions, Inc.			Date Started 7/27/2023		Date Finished 7/27/2023
Drilling Equipment Eijkelkamp Sonic Drill Rig			Completion Depth 100.0 ft		Rock Depth N/E
Size and Type of Bit 4.5-inch Sonic Steel Bit			Number of Samples Disturbed 20		Undisturbed 0 Core 0
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 10.0		Completion $\nabla$ N/A 24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Patrick Salvin		
Sampler 60-inch Polyethylene bag			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Color Code	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (ft)	Penet-resist BL/6in		PID Reading (ppm)
[Cross-hatched pattern]	[Green vertical bar]		Brown fine SAND, trace silt, trace fine gravel, brick, coal (moist) [FILL]	0					0.0	
		1							0.0	
		2							0.0	
		3	M-1	Macrocore	18/60				0.0	
		4							0.0	
		5		Tannish brown fine SAND, some silt, trace fine gravel (moist) [FILL]					0.0	
		6	M-2A	Macrocore	46/60				0.0	
		7							0.0	
		8		Dark brown fine SAND, trace silt, trace fine gravel, concrete, coal ash, coal, brick (moist) [FILL]					0.0	
		9	M-2B	Macrocore	46/60				0.0	
		10		Grayish tan fine SAND, some silt, trace fine gravel, coal, coal ash, lumber, glass (wet) [FILL]					0.0	
		11	M-3A	Macrocore	30/60				0.0	
		12		Tannish brown fine SAND, some clay, trace fine gravel, brick, shale (wet) [FILL]					0.0	
		13	M-3B	Macrocore	30/60				0.0	
		14							0.0	
		15		Brown fine SAND, trace coarse to fine gravel, lumber, glass (wet) [FILL]					0.0	
16							0.0			

Project			Project No.					
224 3rd Avenue			170758101					
Location			Elevation and Datum					
Brooklyn, New York			N/A					
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	PID Reading (ppm)	
		-16.0						
			Brown fine SAND, trace coarse to fine gravel, some clay (wet) [FILL]	16			0.0	
				17			0.0	
				18	M-4	Macrocore		
				19				
				20				
				21	M-6A			
			Grayish brown fine SAND, trace fine gravel, trace clay, coal ash, coal, metal (wet) [FILL]	22	M-6B			
				23				
			Dark gray organic CLAY, fibrous vegetation (wet) [OH]	24	M-6C	Macrocore		
				25				
			Dark gray organic CLAY, fibrous vegetation (wet) [OH]	26				
				27	M-5A			
				28				
			Dark gray CLAY, shell, (>1/32 ribbon, slow delatancy) (wet) [CH]	29	M-5B			
				30				
			Grayish brown fine SAND, clay lenses, fibrous vegetation, trace fine gravel (wet) [SP-SC]	31				
				32				
				33	M-7	Macrocore		
				34				
				35				
			Grayish brown fine SAND, clay lenses, fibrous vegetation, trace fine gravel (wet) [SP-SC]	36				

Project				Project No.				
224 3rd Avenue				170758101				
Location				Elevation and Datum				
Brooklyn, New York				N/A				
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	PID Reading (ppm)	
		-36.0		36			0.0	
				37			0.0	
				38	M-8	Macrocore	48/60	0.0
				39				0.0
			Brown medium to coarse SAND, trace fine gravel, (bimodal) (wet) [SP]	40				0.0
				41	M-9A	Macrocore	42/60	0.0
			Brown fine SAND, trace fine gravel, trace silt (bimodal) (wet) [SP]	42				0.0
				43				0.0
				44	M-9B	Macrocore	36/60	0.0
			Brown fine to medium SAND, trace fine gravel, trace silt (bimodal) (wet) [SP]	45				0.0
				46				0.0
				47				0.0
				48	M-10	Macrocore	36/60	0.0
				49				0.0
			Brown fine to medium SAND, trace fine gravel, trace silt (bimodal) (wet) [SP]	50				0.0
				51				0.0
				52				0.0
				53	M-11	Macrocore	36/60	0.0
				54				0.0
			Brown fine to medium SAND, trace fine gravel, trace silt (bimodal) (wet) [SP]	55				0.0
				56				0.0

Project			Project No.						
224 3rd Avenue			170758101						
Location			Elevation and Datum						
Brooklyn, New York			N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	PID Reading (ppm)		
		-56.0							
			<p>Brown fine SAND, trace fine gravel, trace silt (wet) [SP]</p>	56			0.0		
				57			0.0		
				58	M-12	Macrocore	36/60		0.0
				59			0.0		
				60			0.0		
				61			0.0		
				62			0.0		
				63	M-13	Macrocore	36/60		0.0
				64			0.0		
				65			0.0		
				66			0.0		
				67			0.0		
				68	M-14	Macrocore	36/60		0.0
				69			0.0		
				70			0.0		
				71			0.0		
72			0.0						
73	M-15	Macrocore	42/60	0.0					
74			0.0						
75			0.0						
76			0.0						

Project			Project No.						
224 3rd Avenue			170758101						
Location			Elevation and Datum						
Brooklyn, New York			N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	PID Reading (ppm)		
		-76.0	Brown fine to medium SAND, trace silt (bimodal) (wet) [SP]	76			0.0		
				77	M-16	Macrocore	36/60		0.0
				78					0.0
				79					0.0
				80					0.0
				81					0.0
				82	M-17	Macrocore	36/60		0.0
				83					0.0
				84					0.0
				85					0.0
				86					0.0
				87	M-18	Macrocore	36/60		0.0
				88					0.0
				89					0.0
				90					0.0
				91					0.0
				92	M-19	Macrocore	42/60		0.0
				93					0.0
				94					0.0
95				0.0					
96				0.0					

Project			Project No.						
224 3rd Avenue			170758101						
Location			Elevation and Datum						
Brooklyn, New York			N/A						
Material Symbol	Color Code	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr-resist BL/6in	
		-96.0	End of Boring at 100ft.	96	M-20 Macrocore	42/60			0.0
				97					0.0
				98					0.0
				99					0.0
				100					0.0
				101					
				102					
				103					
				104					
				105					
106									
107									
108									
109									
110									
111									
112									
113									
114									
115									
116									

# LANGAN

Log of Boring **RIB07/RIMW04**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/19/2023	Date Finished 7/19/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 23.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples 3	Disturbed 0	Undisturbed 0
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 13.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penetr-resist BL/6in	PID Reading (ppm)	
		Cellar	0						
			1						
			2						
			3						
			4						
			5						
			6						
			7						
			8						
		CONCRETE							
		Tannish brown fine SAND, trace silt, brick, coal, coal ash, trace fine gravel (moist) [FILL]	9					0.0	Sample RIB07_8-10
			10					0.0	
			11	M-1	Macrocore	32/54		0.0	
			12					0.0	
			13					0.0	
		Tannish brown fine SAND, trace clay, brick, coal, glass, trace fine gravel (wet) [FILL]	13					0.0	Sample RIB07_13-15
			14					0.0	
			15	M-2	Macrocore	42/60		0.0	
			16					0.0	

Project		224 3rd Avenue		Project No.		170758101	
Location		Brooklyn, New York		Elevation and Datum		N/A	
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	PID Reading (ppm)	
	-16.0		16			0.0	
			17			0.0	
		Gray fine SAND, some fine gravel, coal (wet) [FILL]	18			0.0	
			19			0.0	
			20	M-3A	Macrocore	0.0	
			21		48/60	0.0	
		Gray to dark gray CLAY, (>1/32 ribbon, slow delatancy) (wet) [CH]	22	M-3B		0.0	Sample RIB07_21-22
			23			0.0	
		End of Boring at 23ft.	24			0.0	Bottom of boring at 23ft. Backfilled with No. 2 sand to 20ft. Set 10 feet of 0.020 slotted screen at 20ft bgs.
			25			0.0	
			26			0.0	
			27			0.0	
			28			0.0	
			29			0.0	
			30			0.0	
			31			0.0	
			32			0.0	
			33			0.0	
			34			0.0	
			35			0.0	
			36			0.0	

# LANGAN

Log of Boring **RIB08**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/19/2023	Date Finished 7/19/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 23.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples	Disturbed 3	Undisturbed 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 11.0	Completion $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penetr-resist BL/6in	PID Reading (ppm)	
		Cellar	0						
			1						
			2						
			3						
			4						
			5						
			6						
			7						
		CONCRETE	8						
		Tannish brown fine SAND, trace silt, brick, coal ash, trace fine gravel, coal (moist) [FILL]	9					0.0	Sample RIB08_8-10
			10					0.0	
			11	M-1	Macrocore	44/54		0.0	
			12					0.0	
			13					0.0	Sample RIB08_13-15
		Tannish brown fine SAND, trace clay, brick, trace fine gravel, coal (wet) [FILL]	14					0.0	
			15					0.0	
			16	M-2	Macrocore	32/60		0.0	

Project		224 3rd Avenue		Project No.		170758101	
Location		Brooklyn, New York		Elevation and Datum		N/A	
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	PID Reading (ppm)	
	-16.0		16				
		Tannish brown fine SAND, trace clay, brick, trace fine gravel, coal (wet) [FILL]	17				
			18			0.0	
			19	M-3A		0.0	
		Gray fine SAND, some fine gravel, coal, coal ash (wet) [FILL]	20	M-3B		0.0	
			21	Macrocore	60/60	0.0	
		Gray to dark gray CLAY, fibrous vegetation, (>1/32 ribbon, slow delatancy) (wet) [CH]	22	M-3C		0.0	
			23			0.0	
		End of Boring at 23ft.	24				Bottom of boring at 23ft. Backfilled with No. 2 sand to grade, capped at grade with concrete. Sample RIB08_21-23
			25				
			26				
			27				
			28				
			29				
			30				
			31				
			32				
			33				
			34				
			35				
			36				

# LANGAN

Log of Boring **RIB09/RIMW05**

Sheet 1 of 2

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/14/2023		Date Finished 7/14/2023
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 20.0 ft		Rock Depth N/E
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 4		Undisturbed 0 Core 0
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First $\nabla$ 12.0		Completion $\nabla$ N/A 24 HR. $\nabla$ N/A
Casing Hammer N/A		Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro	
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A		Weight (lbs) N/A	Drop (in) N/A		

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penetr-resist BL/6in	PID Reading (ppm)	
		CONCRETE	0						
		Dark brown fine SAND, trace silt, trace fine gravel, coal ash, coal, brick (moist) [FILL]	1					0.0	Sample RIB09_0-2
			2					0.0	
			3	M-1	Macrocore	12/54			
		Dark brown fine SAND, trace silt, trace fine gravel, coal ash, coal, brick (moist) [FILL]	5					0.0	
			6					0.0	
			7					0.0	
			8	M-2	Macrocore	36/60		0.0	
			9					0.0	
		Tannish brown SILT, trace fine sand, gravel, coal, coal ash (moist) [FILL]	10					0.0	
			11	M-3A				0.0	
		Tannish brown CLAY, trace fine sand, (>1/8th ribbon) (wet) [CL]	12					0.0	
			13					0.0	
			14	M-3B				0.0	
			15					0.0	
		Grayish brown fine SAND, some clay, shell (wet) [SC]	15					0.0	
			16					0.0	

Project		224 3rd Avenue		Project No.		170758101		
Location		Brooklyn, New York		Elevation and Datum		N/A		
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)		Penetr-resist BL/6in
	-16.0		16				0.0	
			17				0.0	
			18	M-4	Macrocore	18/60		
			19					
			20					Bottom of boring at 20ft. Set 10 feet of 0.020 slotted screen at 20ft bgs.
		End of Boring at 20ft.	21					
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					
			36					

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/18/2023	Date Finished 7/18/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 35.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 7	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 10.5	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (ft)	Penetr-resist BL/6in		PID Reading (ppm)
		CONCRETE	0						
		Tannish brown fine SAND, trace silt, trace fine gravel, coal ash, coal, brick, glass (moist) [FILL]	1					0.0	Sample RIB10_0-2
			2					0.0	
			3	M-1	Macrocore	18/57		0.0	
		Tannish brown fine SAND, trace silt, trace fine gravel, coal ash, coal, brick, glass (moist) [FILL]	4					0.0	Sample RIB10_10-12
			5					0.0	
			6					0.0	
		Tannish brown fine SAND, some silt, trace fine gravel, coal, brick (wet) [FILL]	7					0.0	Sample RIB10_10-12
			8	M-2	Macrocore	32/60		0.0	
			9					0.0	
		Tannish brown fine SAND, some silt, trace fine gravel, coal, brick (wet) [FILL]	10					0.0	Sample RIB10_10-12
			11					0.0	
			12					0.0	
		Tannish brown fine SAND, some silt, trace fine gravel, coal, brick (wet) [FILL]	13					0.0	Sample RIB10_10-12
			14	M-3	Macrocore	32/60		0.0	
			15					0.0	
			16					0.0	

Project		224 3rd Avenue		Project No.		170758101			
Location		Brooklyn, New York		Elevation and Datum		N/A			
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data			Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)		Penetr-resist BL/6in	PID Reading (ppm)
	-16.0		16				0.0		
			17	M-4A	Macrocore	60/60		0.0	Sample RIB10_18-20
			18					0.0	
			19					0.0	
			20	M-4B				0.0	
			21					0.0	
		No Recovery	22						
			23	M-5	Macrocore	0/60			
			24						
		No Recovery	25						
			26						
			27	M-6	Macrocore	0/60			
			28						
			29						
		Grayish tan fine SAND, some silt (wet) [SC]	30					0.0	
			31					0.0	
			32					0.0	
			33	M-7	Macrocore	60/60		0.0	
			34					0.0	
			35					0.0	
		End of Boring at 35ft.	36						Bottom of boring at 35ft. Backfilled with No. 2 sand to grade, capped at grade with concrete.

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/17/2023	Date Finished 7/17/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25 inch OD/2 inch ID Direct Push			Number of Samples Disturbed 5	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 12.0	Completion $\nabla$ 12.0	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (ft)	Penetr-resist BL/6in		PID Reading (ppm)
		CONCRETE	0						
		Tannish brown fine SAND, trace silt, trace fine gravel, brick (moist) [FILL]	0-3	M-1	Macrocore	30/57		0.0	Sample RIB11_0-2
		Dark brown fine SAND, trace silt, trace fine gravel, brick, coal, coal ash (moist) [FILL]	3-5					0.0	
			5-7	M-2	Macrocore	27/60		0.0	Sample RIB11_5-7
		Tannish brown fine SAND, some silt, trace fine gravel (moist) [SM]	7-10					0.0	
			10-11	M-3A				0.0	
		Tannish brown fine SAND, some silt, trace fine gravel (wet) [SM]	11-12		Macrocore	42/60		0.0	
			12-14	M-3B				0.0	
		No Recovery	14-15					0.0	
			15-16					0.0	

Project		Project No.							
224 3rd Avenue		170758101							
Location		Elevation and Datum							
Brooklyn, New York		N/A							
Material Symbol	Elev. (ft)	Sample Description	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)		
			Depth Scale	Number	Type	Recov. (in)		Penetr-resist BL/6in	PID Reading (ppm)
	-16.0		16						
			17						
			18	M-4	Macrocore	0/60			
			19						
			20					0.0	Sample RIB11_20-22
		Dark gray CLAY, fibrous vegetation (>1/16 ribbon, slow dilatancy) (wet) [CH]	21					0.0	
			22					0.0	
			23	M-5	Macrocore	21/60		0.0	
			24						
		End of Boring at 25ft.	25						Bottom of boring at 25ft. Backfilled with No. 2 sand to 20ft. Set 10ft of 0.020 slot screen at 20ft bgs.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						

Project 224 3rd Avenue			Project No. 170758101		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 7/14/2023	Date Finished 7/14/2023	
Drilling Equipment Geoprobe 7822DT Drill Rig			Completion Depth 25.0 ft	Rock Depth N/E	
Size and Type of Bit 2.25-inch OD/2-inch ID Direct Push			Number of Samples Disturbed 5	Undisturbed 0	Core 0
Casing Diameter (in) N/A	Casing Depth (ft) N/A		Water Level (ft.) First $\nabla$ 12.0	Completion $\nabla$ N/A	24 HR. $\nabla$ N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Nick Turro		
Sampler 60-inch Macrocore with acetate liner			Field Engineer Ali Reach		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (ft)	Penet-resist BL/6in	
		CONCRETE	0					
		Brown to dark brown fine SAND, trace clay, gravel, coal, concrete, brick (moist) [FILL]	1					Sample RIB12_0-2
			2				0.0	
			3	M-1	Macrocore	30/48	0.0	
			4				0.0	
			5				0.0	
		Tannish brown fine SAND, trace silt, coal, trace fine gravel, brick (moist) [FILL]	6				0.0	Sample RIB12_10-12
			7				0.0	
			8	M-2	Macrocore	30/60	0.0	
			9				0.0	
			10				0.0	
		Brown CLAY, some fine sand, (>1/8 ribbon) (moist) [CL]	11	M-3A			0.0	
			12				0.0	
		Brown fine SAND, some clay (wet) [SC]	13				0.0	
			14	M-3B	Macrocore	48/60	0.0	
			15				0.0	
		Grayish brown fine SAND, some clay, trace fine gravel (wet) [SC]	16				0.0	

Project		Project No.							
224 3rd Avenue		170758101							
Location		Elevation and Datum							
Brooklyn, New York		N/A							
Material Symbol	Elev. (ft)	Sample Description	Sample Data					Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
			Depth Scale	Number	Type	Recov. (in)	Penetr-resist BL/6in		PID Reading (ppm)
	-16.0		16					0.0	
			17					0.0	
			18	M-4	Macrocore	48/60		0.0	
			19					0.0	
			20					0.0	Sample RIB12_18-20
		No Recovery	21						
			22						
			23	M-5	Macrocore	0/60			
			24						
		End of Boring at 25ft.	25						Bottom of boring at 25ft. Backfilled with No. 2 sand to 20ft. Set 10 feet of 0.020 slot screen at 20ft bgs.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						

**APPENDIX E**

**MONITORING WELL CONSTRUCTION LOGS**

## WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

RIMW01

<b>PROJECT</b>		<b>PROJECT NO.</b>													
224 3rd Avenue		170758101													
<b>LOCATION</b>		<b>ELEVATION AND DATUM</b>													
Brooklyn, NY		el. 18.41 NAVD88													
<b>DRILLING AGENCY</b>		<b>DATE STARTED</b>	<b>DATE FINISHED</b>												
Eastern Environmental Solutions, Inc.		4/8/2024	4/8/2024												
<b>DRILLING EQUIPMENT</b>		<b>DRILLER</b>													
Geoprobe® 7822 DT		John Zinser													
<b>SIZE AND TYPE OF BIT</b>		<b>INSPECTOR</b>													
2-inch Direct Push		Brian Kenneally													
<b>BOREHOLE DIAMETER</b>		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b>													
3.5-inch		Overburden													
<b>RISER MATERIAL</b>	<b>DIAMETER</b>	<b>TYPE OF BACKFILL MATERIAL</b>													
PVC	2-inch	No. 2 Sand													
<b>TYPE OF SCREEN</b>	<b>DIAMETER</b>	<b>TYPE OF WELL PACK</b>	<b>TYPE OF SEAL MATERIAL</b>												
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite												
<b>METHOD OF INSTALLATION</b>															
<p>Geoprobe 7822 DT was used to advance the boring to approximately 25 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 6 to 21 feet bgs with riser from 6 feet bgs to surface. Wells were finished with a flush mounted well cover and concrete pad.</p>															
<b>WELL DEVELOPMENT DATA</b>															
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump												
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM												
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	15												
Well developed until purged groundwater was no longer turbid.															
<b>TOP OF CASING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<b>WELL DETAILS</b>												
	18.41	0													
<b>TOP OF SEAL</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>													
	17.91	0.5													
<b>TOP OF FILTER</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"><b>SUMMARY SOIL CLASSIFICATION</b></th> <th style="width: 50%;"><b>DEPTH (FT)</b></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td></td> <td style="text-align: center;">0.50</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td></td> <td style="text-align: center;">6</td> </tr> <tr> <td></td> <td style="text-align: center;">21</td> </tr> </tbody> </table>	<b>SUMMARY SOIL CLASSIFICATION</b>	<b>DEPTH (FT)</b>		0		0.50		4		6		21
<b>SUMMARY SOIL CLASSIFICATION</b>	<b>DEPTH (FT)</b>														
	0														
	0.50														
	4														
	6														
	21														
	14.41	4													
<b>TOP OF SCREEN</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>													
	12.41	6													
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>													
	-2.59	21													
<b>SCREEN LENGTH</b>	15 feet														
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches														
<b>GROUNDWATER ELEVATIONS</b>															
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
6.87	4/8/2024	11.54 ft													
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>													
<b>LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</b>															
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York															

**WELL CONSTRUCTION AND DEVELOPMENT SUMMARY**

Well No.

RIMW02

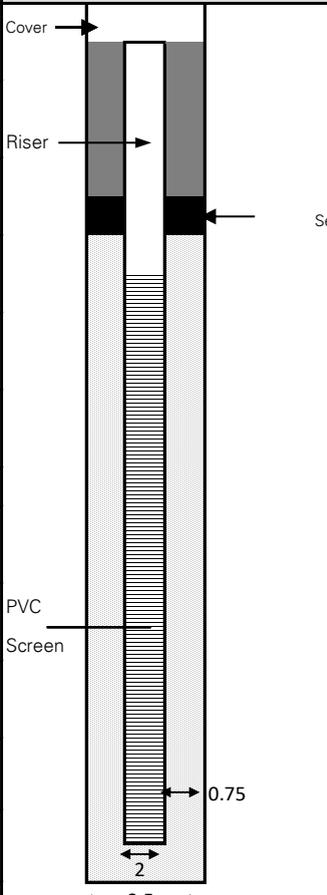
<b>PROJECT</b> 224 3rd Avenue		<b>PROJECT NO.</b> 170758101			
<b>LOCATION</b> Brooklyn, NY		<b>ELEVATION AND DATUM</b> el. 18.29 NAVD88			
<b>DRILLING AGENCY</b> Eastern Environmental Solutions, Inc.		<b>DATE STARTED</b> 4/8/2024	<b>DATE FINISHED</b> 4/8/2024		
<b>DRILLING EQUIPMENT</b> Geoprobe® 7822 DT		<b>DRILLER</b> John Zinser			
<b>SIZE AND TYPE OF BIT</b> 2-inch Direct Push		<b>INSPECTOR</b> Brian Kenneally			
<b>BOREHOLE DIAMETER</b> 3.5-inch		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b> Overburden			
<b>RISER MATERIAL</b> PVC	<b>DIAMETER</b> 2-inch	<b>TYPE OF BACKFILL MATERIAL</b> No. 2 Sand			
<b>TYPE OF SCREEN</b> PVC No. 20 Slot	<b>DIAMETER</b> 2-inch	<b>TYPE OF WELL PACK</b> No. 2 Sand	<b>TYPE OF SEAL MATERIAL</b> Bentonite		
<b>METHOD OF INSTALLATION</b> Geoprobe 7822 DT was used to advance the boring to approximately 25 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 9 to 24 feet bgs with riser from 9 feet bgs to surface. Wells were finished with a flush mounted well cover and concrete pad.					
<b>WELL DEVELOPMENT DATA</b>					
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump		
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM		
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	5		
<b>DEVELOPMENT CONFIRMATION</b>	Well developed until purged groundwater was no longer turbid.				
<b>TOP OF CASING</b>	<b>ELEVATION</b> 18.29	<b>DEPTH (ft)</b> 0		<b>SUMMARY SOIL CLASSIFICATION</b>	<b>DEPTH (FT)</b> 0 0.50 7 9 24
<b>TOP OF SEAL</b>	<b>ELEVATION</b> 17.79	<b>DEPTH (ft)</b> 0.5			
<b>TOP OF FILTER</b>	<b>ELEVATION</b> 11	<b>DEPTH (ft)</b> 7			
<b>TOP OF SCREEN</b>	<b>ELEVATION</b> 9.29	<b>DEPTH (ft)</b> 9			
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b> -5.71	<b>DEPTH (ft)</b> 24			
<b>SCREEN LENGTH</b>	15 feet				
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches				
<b>GROUNDWATER ELEVATIONS</b>					
<b>ELEVATION</b> 6.39	<b>DATE</b> 4/8/2024	<b>DEPTH TO WATER</b> 11.9 ft			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>			
<b>LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York					



## WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

RIMW04

<b>PROJECT</b>		<b>PROJECT NO.</b>	
224 3rd Avenue		170758101	
<b>LOCATION</b>		<b>ELEVATION AND DATUM</b>	
Brooklyn, NY		el. 10.25 NAVD88	
<b>DRILLING AGENCY</b>		<b>DATE STARTED</b>	<b>DATE FINISHED</b>
Eastern Environmental Solutions, Inc.		4/9/2024	4/9/2024
<b>DRILLING EQUIPMENT</b>		<b>DRILLER</b>	
Geoprobe® 7822 DT		John Zinser	
<b>SIZE AND TYPE OF BIT</b>		<b>INSPECTOR</b>	
2-inch Direct Push		Brian Kenneally	
<b>BOREHOLE DIAMETER</b>		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b>	
3.5-inch		Overburden	
<b>RISER MATERIAL</b>	<b>DIAMETER</b>	<b>TYPE OF BACKFILL MATERIAL</b>	
PVC	2-inch	No. 2 Sand	
<b>TYPE OF SCREEN</b>	<b>DIAMETER</b>	<b>TYPE OF WELL PACK</b>	<b>TYPE OF SEAL MATERIAL</b>
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite
<b>METHOD OF INSTALLATION</b>			
<p>Geoprobe 7822 DT was used to advance the boring to approximately 15 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 1 to 15 feet bgs. Wells were finished with a flush mounted well cover and concrete pad.</p>			
<b>WELL DEVELOPMENT DATA</b>			
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	15
Well developed until purged groundwater was no longer turbid.			
<b>TOP OF CASING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<b>WELL DETAILS</b>
	10.25	0	
<b>TOP OF SEAL</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	
	10.25	0	
<b>TOP OF FILTER</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<b>SUMMARY SOIL CLASSIFICATION</b>
	10.25	0.0	
<b>TOP OF SCREEN</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<b>DEPTH (FT)</b>
	10.25	0	
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	0.0
	-4.75	15	15
<b>SCREEN LENGTH</b>	15 feet		
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches		
<b>GROUNDWATER ELEVATIONS</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
6.29	4/9/2024	3.96 ft	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</b>			
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York			

**WELL CONSTRUCTION AND DEVELOPMENT SUMMARY**

Well No.

RIMW05

<b>PROJECT</b> 224 3rd Avenue		<b>PROJECT NO.</b> 170758101				
<b>LOCATION</b> Brooklyn, NY		<b>ELEVATION AND DATUM</b> el. 18.28 NAVD88				
<b>DRILLING AGENCY</b> Eastern Environmental Solutions, Inc.		<b>DATE STARTED</b> 4/9/2023	<b>DATE FINISHED</b> 4/9/2023			
<b>DRILLING EQUIPMENT</b> Geoprobe® 7822 DT		<b>DRILLER</b> John Zinser				
<b>SIZE AND TYPE OF BIT</b> 2-inch Direct Push		<b>INSPECTOR</b> Brian Kenneally				
<b>BOREHOLE DIAMETER</b> 3.5-inch		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b> Overburden				
<b>RISER MATERIAL</b> PVC	<b>DIAMETER</b> 2-inch	<b>TYPE OF BACKFILL MATERIAL</b> No. 2 Sand				
<b>TYPE OF SCREEN</b> PVC No. 20 Slot	<b>DIAMETER</b> 2-inch	<b>TYPE OF WELL PACK</b> No. 2 Sand	<b>TYPE OF SEAL MATERIAL</b> Bentonite			
<b>METHOD OF INSTALLATION</b> Geoprobe 7822 DT was used to advance the boring to approximately 25 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 8 to 23 feet bgs with riser from 8 feet bgs to surface. Wells were finished with a flush mounted well cover and concrete pad.						
<b>WELL DEVELOPMENT DATA</b>						
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump			
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM			
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	15			
<b>DEVELOPMENT CONFIRMATION</b>	Well developed until purged groundwater was no longer turbid.					
<b>TOP OF CASING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>		<b>SUMMARY SOIL CLASSIFICATION</b>	<b>DEPTH (FT)</b>	
	18.28	0				
<b>TOP OF SEAL</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>				0
	17.78	0.5				0.50
<b>TOP OF FILTER</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>				
	12.28	6				
<b>TOP OF SCREEN</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>				
	10.28	8				6
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>				
	-4.72	23				8
<b>SCREEN LENGTH</b>	15 feet					
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches					
<b>GROUNDWATER ELEVATIONS</b>						
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
5.96	4/9/2024	12.32 ft				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
					23	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>				
<b>LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York						

## WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

RIMW06

<b>PROJECT</b>		<b>PROJECT NO.</b>	
224 3rd Avenue		170758101	
<b>LOCATION</b>		<b>ELEVATION AND DATUM</b>	
Brooklyn, NY		el. 18.08 NAVD88	
<b>DRILLING AGENCY</b>		<b>DATE STARTED</b>	<b>DATE FINISHED</b>
Eastern Environmental Solutions, Inc.		4/8/2024	4/8/2024
<b>DRILLING EQUIPMENT</b>		<b>DRILLER</b>	
Geoprobe® 7822 DT		John Zinser	
<b>SIZE AND TYPE OF BIT</b>		<b>INSPECTOR</b>	
2-inch Direct Push		Brian Kenneally	
<b>BOREHOLE DIAMETER</b>		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b>	
3.5-inch		Overburden	
<b>RISER MATERIAL</b>	<b>DIAMETER</b>	<b>TYPE OF BACKFILL MATERIAL</b>	
PVC	2-inch	No. 2 Sand	
<b>TYPE OF SCREEN</b>	<b>DIAMETER</b>	<b>TYPE OF WELL PACK</b>	<b>TYPE OF SEAL MATERIAL</b>
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite
<b>METHOD OF INSTALLATION</b>			
<p>Geoprobe 7822 DT was used to advance the boring to approximately 25 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 6 to 21 feet bgs with riser from 6 feet bgs to surface. Wells were finished with a flush mounted well cover and concrete pad.</p>			
<b>WELL DEVELOPMENT DATA</b>			
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	15
Well developed until purged groundwater was no longer turbid.			
<b>TOP OF CASING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	<b>WELL DETAILS</b>
	18.08	0	
<b>TOP OF SEAL</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	
	17.58	0.5	
<b>TOP OF FILTER</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	
	14.08	4	
<b>TOP OF SCREEN</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	
	12.08	6	
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b>	<b>DEPTH (ft)</b>	
	-2.92	21	
<b>SCREEN LENGTH</b>	15 feet		
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches		
<b>GROUNDWATER ELEVATIONS</b>			
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
6.23	4/8/2024	11.85 ft	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>	21
<b>LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</b>			
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York			

**WELL CONSTRUCTION AND DEVELOPMENT SUMMARY**

Well No.

RIMW07

<b>PROJECT</b> 224 3rd Avenue		<b>PROJECT NO.</b> 170758101																				
<b>LOCATION</b> Brooklyn, NY		<b>ELEVATION AND DATUM</b> el. 18.32 NAVD88																				
<b>DRILLING AGENCY</b> Eastern Environmental Solutions, Inc.		<b>DATE STARTED</b> 4/9/2024	<b>DATE FINISHED</b> 4/9/2024																			
<b>DRILLING EQUIPMENT</b> Geoprobe® 7822 DT		<b>DRILLER</b> John Zinser																				
<b>SIZE AND TYPE OF BIT</b> 2-inch Direct Push		<b>INSPECTOR</b> Brian Kenneally																				
<b>BOREHOLE DIAMETER</b> 3.5-inch		<b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b> Overburden																				
<b>RISER MATERIAL</b> PVC	<b>DIAMETER</b> 2-inch	<b>TYPE OF BACKFILL MATERIAL</b> No. 2 Sand																				
<b>TYPE OF SCREEN</b> PVC No. 20 Slot	<b>DIAMETER</b> 2-inch	<b>TYPE OF WELL PACK</b> No. 2 Sand	<b>TYPE OF SEAL MATERIAL</b> Bentonite																			
<b>METHOD OF INSTALLATION</b> Geoprobe 7822 DT was used to advance the boring to approximately 25 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 15' of 20 slot (0.020-inch), well screen with a 1/2-inch sand pre-pack, and a solid 2" PVC riser. Well screen was installed from approximately 8 to 23 feet bgs with riser from 8 feet bgs to surface. Wells were finished with a flush mounted well cover and concrete pad.																						
<b>WELL DEVELOPMENT DATA</b>																						
<b>SURGE BLOCK DIAMETER</b>	N/A	<b>TYPE PUMP</b>	Whale Pump																			
<b>DRILLER OR LANGAN</b>	Langan	<b>MAX PUMP RATE</b>	1 LPM																			
<b>NUMBER OF SURGE CYCLES</b>	N/A	<b>TOTAL VOLUME</b>	15																			
<b>DEVELOPMENT CONFIRMATION</b>	Well developed until purged groundwater was no longer turbid.																					
<b>TOP OF CASING</b>	<b>ELEVATION</b> 18.32	<b>DEPTH (ft)</b> 0		<table border="1"> <thead> <tr> <th>WELL DETAILS</th> <th>SUMMARY SOIL CLASSIFICATION</th> <th>DEPTH (FT)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>0.50</td> </tr> <tr> <td></td> <td></td> <td>6</td> </tr> <tr> <td></td> <td></td> <td>8</td> </tr> <tr> <td></td> <td></td> <td>23</td> </tr> </tbody> </table>	WELL DETAILS	SUMMARY SOIL CLASSIFICATION	DEPTH (FT)			0			0.50			6			8			23
WELL DETAILS	SUMMARY SOIL CLASSIFICATION	DEPTH (FT)																				
		0																				
		0.50																				
		6																				
		8																				
		23																				
<b>TOP OF SEAL</b>	<b>ELEVATION</b> 17.82	<b>DEPTH (ft)</b> 0.5																				
<b>TOP OF FILTER</b>	<b>ELEVATION</b> 12.32	<b>DEPTH (ft)</b> 6																				
<b>TOP OF SCREEN</b>	<b>ELEVATION</b> 10.32	<b>DEPTH (ft)</b> 8																				
<b>BOTTOM OF BORING</b>	<b>ELEVATION</b> -4.68	<b>DEPTH (ft)</b> 23																				
<b>SCREEN LENGTH</b>	15 feet																					
<b>SLOT SIZE</b>	No. 20 Slot; 0.020 Inches																					
<b>GROUNDWATER ELEVATIONS</b>																						
<b>ELEVATION</b> 5.8	<b>DATE</b> 4/9/2024	<b>DEPTH TO WATER</b> 12.52 ft																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b> ft																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>																				
<b>ELEVATION</b>	<b>DATE</b>	<b>DEPTH TO WATER</b>																				
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**APPENDIX F**

**GROUNDWATER SAMPLING LOGS**















## **APPENDIX G**

# **SUB-SLAB VAPOR AND INDOOR AIR CONSTRUCTION AND SAMPLING LOGS**

**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV01\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.	<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023
<b>INSTALLATION FOREMAN:</b> Nick Turro	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSTALLATION EQUIPMENT:</b> Hand Drill	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>INSPECTOR:</b> Ali Reach	<b>SAMPLER:</b> Ali Reach	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND PURGING:**  
Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.

<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None	<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite
<b>BOREHOLE DIAMETER:</b> 1-inch	<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand

	PURGE VOLUME (L):		PURGE FLOW RATE (ML/MIN):		PID AFTER PURGE (PPM):		HELIUM TESTS		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (INCHES FROM SURFACE)	NOTES
	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling			
		1.00		200		0					
<b>HELIUM TEST IN BUCKET(%):</b>	23.0%										
<b>HELIUM TEST IN TUBE (PPM):</b>	0.0%										
<b>SAMPLE START TIME:</b>		9:41									
<b>SAMPLE STOP TIME:</b>		17:41									
<b>TOTAL SAMPLE TIME (MIN):</b>		480									
<b>REGULATOR FLOW RATE (L/MIN):</b>		0.01									
<b>VOLUME OF SAMPLE (LITERS):</b>		6									
<b>PID AFTER SAMPLE (PPM):</b>		0									
<b>SAMPLE MOISTURE CONTENT:</b>		N/A									
<b>CAN SERIAL NUMBER:</b>		43005									
<b>REGULATOR SERIAL NUMBER:</b>		17984									
<b>CAN START VACUUM PRESS. (" HG):</b>		-30									
<b>CAN STOP VACUUM PRESS. (" HG):</b>		-10									

<b>SAMPLE LOCATION SKETCH</b>	<b>NOTES</b>
See Sample Location Plan	

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### AIR SAMPLING LOG SHEET

Sample Number: IA01\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND SAMPLING:**  
 Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:40	
SAMPLE STOP TIME:	14:40	
TOTAL SAMPLE TIME (MIN):	300	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	23796	
REGULATOR SERIAL NUMBER:	16421	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-10	

**NOTES**

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**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV02\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.	<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023
<b>INSTALLATION FOREMAN:</b> Nick Turro	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSTALLATION EQUIPMENT:</b> Hand Drill	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>INSPECTOR:</b> Ali Reach	<b>SAMPLER:</b> Ali Reach	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND PURGING:**  
Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.

<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None	<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite
<b>BOREHOLE DIAMETER:</b> 1-inch	<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand

	PURGE VOLUME (L):		PURGE FLOW RATE (ML/MIN):		PID AFTER PURGE (PPM):	HELIUM TESTS		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling				
		1.00		200	0					
<b>HELIUM TEST IN BUCKET(%):</b>	19.5%									
<b>HELIUM TEST IN TUBE (PPM):</b>	0.0%									
<b>SAMPLE START TIME:</b>		9:42								
<b>SAMPLE STOP TIME:</b>		17:42								
<b>TOTAL SAMPLE TIME (MIN):</b>		480								
<b>REGULATOR FLOW RATE (L/MIN):</b>		0.01								
<b>VOLUME OF SAMPLE (LITERS):</b>		6								
<b>PID AFTER SAMPLE (PPM):</b>		0								
<b>SAMPLE MOISTURE CONTENT:</b>		N/A								
<b>CAN SERIAL NUMBER:</b>		18299								
<b>REGULATOR SERIAL NUMBER:</b>		7609								
<b>CAN START VACUUM PRESS. (" HG):</b>		-30								
<b>CAN STOP VACUUM PRESS. (" HG):</b>		-9								
<b>SAMPLE LOCATION SKETCH</b>										
See Sample Location Plan										

**NOTES**

**AIR SAMPLING LOG SHEET**

Sample Number: IA02\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
		Temp:	72-84 °F
		Wind:	1-3 mph WSW
		Precipitation:	0.55 inches
		Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:43	
SAMPLE STOP TIME:	17:17	
TOTAL SAMPLE TIME (MIN):	454	
REGULATOR FLOW RATE (L/MIN):	0.01	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	24254	
REGULATOR SERIAL NUMBER:	7364	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-5	

**NOTES**

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**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV03\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.	<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023
<b>INSTALLATION FOREMAN:</b> Nick Turro	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSTALLATION EQUIPMENT:</b> Hand Drill	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>INSPECTOR:</b> Ali Reach	<b>SAMPLER:</b> Ali Reach	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND PURGING:**  
Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.

<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None	<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite
<b>BOREHOLE DIAMETER:</b> 1-inch	<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand

	PURGE VOLUME (L):		PURGE FLOW RATE (ML/MIN):		PID AFTER PURGE (PPM):	HELIUM TESTS		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
	Pre-sampling	Post-sampling	HELIUM TEST IN BUCKET(%):	HELIUM TEST IN TUBE (PPM):						
	1.00		200		0	21.0%				
					0.0%					
					9:44					
					18:35					
					531					
					0.01					
					6					
					0					
					N/A					
					37400					
					7363					
					-30					
					-15					

<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>	
See Sample Location Plan			

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### AIR SAMPLING LOG SHEET

Sample Number: IA03\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:45	
SAMPLE STOP TIME:	17:45	
TOTAL SAMPLE TIME (MIN):	480	
REGULATOR FLOW RATE (L/MIN):	0.01	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	10720	
REGULATOR SERIAL NUMBER:	7361	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-9	

#### NOTES

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**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV04\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.	<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023
<b>INSTALLATION FOREMAN:</b> Nick Turro	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSTALLATION EQUIPMENT:</b> Hand Drill	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>INSPECTOR:</b> Ali Reach	<b>SAMPLER:</b> Ali Reach	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND PURGING:**  
Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.

<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None	<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite
<b>BOREHOLE DIAMETER:</b> 1-inch	<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand

	PURGE VOLUME (L):		PURGE FLOW RATE (ML/MIN):		PID AFTER PURGE (PPM):		HELIUM TESTS		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling			
		1.00		200		0					
<b>HELIUM TEST IN BUCKET(%):</b>	20.0%										
<b>HELIUM TEST IN TUBE (PPM):</b>	0.0%										
<b>SAMPLE START TIME:</b>		9:26									
<b>SAMPLE STOP TIME:</b>		17:26									
<b>TOTAL SAMPLE TIME (MIN):</b>		480									
<b>REGULATOR FLOW RATE (L/MIN):</b>		0.01									
<b>VOLUME OF SAMPLE (LITERS):</b>		6									
<b>PID AFTER SAMPLE (PPM):</b>		0									
<b>SAMPLE MOISTURE CONTENT:</b>		N/A									
<b>CAN SERIAL NUMBER:</b>		34496									
<b>REGULATOR SERIAL NUMBER:</b>		5417									
<b>CAN START VACUUM PRESS. (" HG):</b>		-30									
<b>CAN STOP VACUUM PRESS. (" HG):</b>		-9									

**SAMPLE LOCATION SKETCH**

See Sample Location Plan

**NOTES**

### AIR SAMPLING LOG SHEET

Sample Number: IA04\_072123

<b>PROJECT:</b> 224 3rd Avenue	<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach	<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
	Temp:	72-84 °F
	Wind:	1-3 mph WSW
	Precipitation:	0.55 inches
	Pressure:	29.7in Hg

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
<b>HEIGHT ABOVE GROUND (FT):</b>	See Sample Location Plan
0	
<b>PID BEFORE SAMPLE (PPM):</b>	
0.0	
<b>SAMPLE START TIME:</b>	
9:27	
<b>SAMPLE STOP TIME:</b>	
17:27	
<b>TOTAL SAMPLE TIME (MIN):</b>	
480	
<b>REGULATOR FLOW RATE (L/MIN):</b>	
0.01	
<b>VOLUME OF SAMPLE (LITERS):</b>	
6	
<b>PID AFTER SAMPLE (PPM):</b>	
0.0	
<b>SAMPLE MOISTURE CONTENT:</b>	
N/A	
<b>CAN SERIAL NUMBER:</b>	
17353	
<b>REGULATOR SERIAL NUMBER:</b>	
17203	
<b>CAN START VACUUM PRESS. (" HG):</b>	
-30	
<b>CAN STOP VACUUM PRESS. (" HG):</b>	
-10	

**NOTES**

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**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV05\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101			
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A			
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.		<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023		
<b>INSTALLATION FOREMAN:</b> Nick Turro		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023		
<b>INSTALLATION EQUIPMENT:</b> Hand Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister			
<b>INSPECTOR:</b> Ali Reach		<b>SAMPLER:</b> Ali Reach			
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>			
		Temp:	72-84 °F		
		Wind:	1-3 mph WSW		
		Precipitation:	0.55 inches		
		Pressure:	29.7in Hg		
<b>METHOD OF INSTALLATION AND PURGING:</b> Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.					
<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite			
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite			
<b>BOREHOLE DIAMETER:</b> 1-inch		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand			
<b>PURGE VOLUME (L):</b> 1.00		<b>IMPLANT/PROBE DETAILS</b> (SEAL, FILTER, ETC.)		<b>DEPTH</b> (FEET FROM SURFACE)	<b>NOTES</b>
<b>PURGE FLOW RATE (ML/MIN):</b> 200					
<b>PID AFTER PURGE (PPM):</b> 0		SURFACE		0	
<b>HELIUM TESTS</b>					
<b>HELIUM TEST IN BUCKET(%):</b> 20.0%				SURFACE	
<b>HELIUM TEST IN TUBE (PPM):</b> 0.0%		SURFACE			
<b>SAMPLE START TIME:</b> 9:34				2	
<b>SAMPLE STOP TIME:</b> 17:34					
<b>TOTAL SAMPLE TIME (MIN):</b> 480					
<b>REGULATOR FLOW RATE (L/MIN):</b> 0.01					
<b>VOLUME OF SAMPLE (LITERS):</b> 6					
<b>PID AFTER SAMPLE (PPM):</b> 0					
<b>SAMPLE MOISTURE CONTENT:</b> N/A					
<b>CAN SERIAL NUMBER:</b> 28848					
<b>REGULATOR SERIAL NUMBER:</b> 6863					
<b>CAN START VACUUM PRESS. (" HG):</b> -30					
<b>CAN STOP VACUUM PRESS. (" HG):</b> -7					
<b>SAMPLE LOCATION SKETCH</b>					
See Sample Location Plan					
<b>NOTES</b>					
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727					

### AIR SAMPLING LOG SHEET

Sample Number: IA05\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
		Temp:	72-84 °F
		Wind:	1-3 mph WSW
		Precipitation:	0.55 inches
		Pressure:	29.7in Hg
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Eastern Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.			
<b>SAMPLE DETAILS</b>		<b>SAMPLE LOCATION SKETCH</b>	
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	9:33		
SAMPLE STOP TIME:	17:20		
TOTAL SAMPLE TIME (MIN):	467		
REGULATOR FLOW RATE (L/MIN):	0.01		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	N/A		
CAN SERIAL NUMBER:	28849		
REGULATOR SERIAL NUMBER:	7268		
CAN START VACUUM PRESS. (" HG):	-31		
CAN STOP VACUUM PRESS. (" HG):	-5		
<b>NOTES</b>			
<p><b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>			

**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV06\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101			
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A			
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.		<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023		
<b>INSTALLATION FOREMAN:</b> Nick Turro		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023		
<b>INSTALLATION EQUIPMENT:</b> Hand Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister			
<b>INSPECTOR:</b> Ali Reach		<b>SAMPLER:</b> Ali Reach			
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>			
		Temp:	72-84 °F		
		Wind:	1-3 mph WSW		
		Precipitation:	0.55 inches		
		Pressure:	29.7in Hg		
<b>METHOD OF INSTALLATION AND PURGING:</b> Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.					
<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite			
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite			
<b>BOREHOLE DIAMETER:</b> 1-inch		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand			
<b>PURGE VOLUME (L):</b> 1.00		<b>IMPLANT/PROBE DETAILS</b> (SEAL, FILTER, ETC.)		<b>DEPTH</b> (FEET FROM SURFACE)	<b>NOTES</b>
<b>PURGE FLOW RATE (ML/MIN):</b> 200					
<b>PID AFTER PURGE (PPM):</b> 0		SURFACE		SURFACE	
<b>HELIUM TESTS</b>		Pre-sampling			
<b>HELIUM TEST IN BUCKET(%):</b> 24.0%					
<b>HELIUM TEST IN TUBE (PPM):</b> 0.0%					
<b>SAMPLE START TIME:</b> 9:36					
<b>SAMPLE STOP TIME:</b> 17:36					
<b>TOTAL SAMPLE TIME (MIN):</b> 480					
<b>REGULATOR FLOW RATE (L/MIN):</b> 0.01					
<b>VOLUME OF SAMPLE (LITERS):</b> 6					
<b>PID AFTER SAMPLE (PPM):</b> 0					
<b>SAMPLE MOISTURE CONTENT:</b> N/A					
<b>CAN SERIAL NUMBER:</b> 20753					
<b>REGULATOR SERIAL NUMBER:</b> 17985					
<b>CAN START VACUUM PRESS. (" HG):</b> -30					
<b>CAN STOP VACUUM PRESS. (" HG):</b> -10					
<b>SAMPLE LOCATION SKETCH</b>					
See Sample Location Plan					
<b>NOTES</b>					
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727					

### AIR SAMPLING LOG SHEET

Sample Number: IA06\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
		Temp:	72-84 °F
		Wind:	1-3 mph WSW
		Precipitation:	0.55 inches
Pressure:		29.7in Hg	
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.			
<b>SAMPLE DETAILS</b>		<b>SAMPLE LOCATION SKETCH</b>	
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	10:20		
SAMPLE STOP TIME:	18:33		
TOTAL SAMPLE TIME (MIN):	493		
REGULATOR FLOW RATE (L/MIN):	0.01		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	N/A		
CAN SERIAL NUMBER:	16953		
REGULATOR SERIAL NUMBER:	12188		
CAN START VACUUM PRESS. (" HG):	-30		
CAN STOP VACUUM PRESS. (" HG):	-10		
<b>NOTES</b>			
<p><b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>			

**SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV07\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101			
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A			
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Eastern Environmental Solutions, Inc.		<b>INSTALLATION DATE STARTED:</b> 7/19/2023	<b>DATE FINISHED:</b> 7/19/2023		
<b>INSTALLATION FOREMAN:</b> Nick Turro		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023		
<b>INSTALLATION EQUIPMENT:</b> Hand Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister			
<b>INSPECTOR:</b> Ali Reach		<b>SAMPLER:</b> Ali Reach			
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>			
		Temp:	72-84 °F		
		Wind:	1-3 mph WSW		
		Precipitation:	0.55 inches		
		Pressure:	29.7in Hg		
<b>METHOD OF INSTALLATION AND PURGING:</b> Eastern advanced subslab vapor point to 2-inches below the top of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 1 inch bgs, and the remainder of the borehole was sealed with bentonite.					
<b>TUBING TYPE/DIAMETER:</b> 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> Bentonite			
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> None		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Bentonite			
<b>BOREHOLE DIAMETER:</b> 1-inch		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> No. 2 Sand			
<b>PURGE VOLUME (L):</b> 1.00		<b>IMPLANT/PROBE DETAILS</b> (SEAL, FILTER, ETC.)		<b>DEPTH</b> (FEET FROM SURFACE)	<b>NOTES</b>
<b>PURGE FLOW RATE (ML/MIN):</b> 200					
<b>PID AFTER PURGE (PPM):</b> 0				0	
<b>HELIUM TESTS</b>					
<b>HELIUM TEST IN BUCKET(%):</b> 23.0%				1	
<b>HELIUM TEST IN TUBE (PPM):</b> 0.0%					
<b>SAMPLE START TIME:</b> 9:30				2	
<b>SAMPLE STOP TIME:</b> 17:30					
<b>TOTAL SAMPLE TIME (MIN):</b> 480					
<b>REGULATOR FLOW RATE (L/MIN):</b> 0.01					
<b>VOLUME OF SAMPLE (LITERS):</b> 6					
<b>PID AFTER SAMPLE (PPM):</b> 0					
<b>SAMPLE MOISTURE CONTENT:</b> N/A					
<b>CAN SERIAL NUMBER:</b> 37002					
<b>REGULATOR SERIAL NUMBER:</b> 17899					
<b>CAN START VACUUM PRESS. (" HG):</b> -30					
<b>CAN STOP VACUUM PRESS. (" HG):</b> -8					
<b>SAMPLE LOCATION SKETCH</b>					<b>NOTES</b>
See Sample Location Plan					
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727					

### AIR SAMPLING LOG SHEET

Sample Number: IA07\_072123

<b>PROJECT:</b> 224 3rd Avenue		<b>PROJECT NO.:</b> 170758101	
<b>LOCATION:</b> Brooklyn, NY		<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Ali Reach		<b>SAMPLE DATE STARTED:</b> 7/21/2023	<b>DATE FINISHED:</b> 7/21/2023
<b>INSPECTOR:</b> Ali Reach		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b>	
		Temp:	72-84 °F
		Wind:	1-3 mph WSW
		Precipitation:	0.55 inches
		Pressure:	29.7in Hg
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.			
<b>SAMPLE DETAILS</b>		<b>SAMPLE LOCATION SKETCH</b>	
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	9:31		
SAMPLE STOP TIME:	17:19		
TOTAL SAMPLE TIME (MIN):	468		
REGULATOR FLOW RATE (L/MIN):	0.01		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	N/A		
CAN SERIAL NUMBER:	28857		
REGULATOR SERIAL NUMBER:	6875		
CAN START VACUUM PRESS. (" HG):	-31		
CAN STOP VACUUM PRESS. (" HG):	-5		
<b>NOTES</b>			
<p><b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>			

**APPENDIX H**

**DATA USABILITY SUMMARY REPORTS**

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1 University Square Drive Princeton, NJ 08540 T: 609.282.8000  
Mailing Address: 1 University Square Drive Princeton, NJ 08540

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**To:** Ali Reach, Langan Staff Geologist  
**From:** Joe Conboy, Langan Senior Staff Chemist  
**Date:** August 23, 2023  
**Re:** Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Langan Project No.: 170758101

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This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in July 2023 by Langan Engineering and Environmental Services at 224 3rd Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D/8270D SIM
- PFAS by USEPA Method 1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D/6020B/7473/7470
- Cyanide by SW-846 Method 9014/9010C
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation

# Technical Memorandum

- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. Five SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

**R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

**J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

**UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

**U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

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

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If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

## **MAJOR DEFICIENCIES:**

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### **VOCs by SW-846 Method 8260C**

#### 23G0812

The TB (RITB01\_071423) exhibited a detection of acetone (4.43 ug/l) and methylene chloride (2.38 ug/l). The associated detected results in samples RIB09\_0-2, RIB09\_10-12, RIB09\_15-16.5, RIB12\_0-2, RIB12\_10-12, RIB12\_18-20 are qualified as J because of potential blank contamination.

The LCSD for batch BG30847 exhibited a percent recovery below the LCL for tetrachloroethylene (75.1%). The associated results in sample RIB12\_0-2 are qualified as UJ because of potential low bias.

The LCS and/or LCSD for batch BG30849 exhibited percent recoveries below the LCL for t-butylbenzene (78.9%) and tetrachloroethylene (75.7%, 78.5%). The associated results in samples RIB09\_0-2, RIB09\_10-12, RIB09\_15-16.5, RIB12\_10-12, and RIB12\_18-20 are qualified as J or UJ because of potential low bias.

#### 23G0971

The LCS/LCSD for batch BG30851 exhibited a percent recovery below the LCL for tetrachloroethylene (76.6%, 78.7%). The associated results in samples RIB02\_20-21, RIB05\_15-16, RIB06\_0-2, RIB06\_10-12, RIB06\_15-16, RIB10\_0-2, and RIB10\_18-20 are qualified as UJ because of potential low bias.

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The LCS/LCSD for batch BG30854 exhibited percent recoveries below the LCL for tetrachloroethylene (74.7%, 76.4%) and t-butylbenzene (78.6%, 78.1%). The associated results in samples RIB02\_0-2, RIB10\_10-12, RIB12\_18-20, and RIDUP02\_071823 are qualified as J or UJ because of potential low bias.

The LCS/LCSD for batch BG30856 exhibited percent recoveries below the LCL for tetrachloroethylene (73.2%) and t-butylbenzene (74.5). The associated results in sample RIB02\_15.5-17.5 are qualified as UJ because of potential low bias.

## 23G0881

The LCS for batch BG30848-BS1 exhibited a percent recovery above the UCL for acetone (193%). The associated results in samples RIB01\_25.7-27.5, RIB04\_21-23, RIB04\_5-6, and RIB11\_0-2 are qualified as J because of potential high bias.

The LCS for batch BG30848-BS1 exhibited percent recoveries below the LCL for tetrachloroethylene (66.2%) and trichloroethylene (83%). The associated results in samples RIB01\_25.7-27.5, RIB04\_21-23, RIB04\_5-6, and RIB11\_0-2 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30849-BS1 exhibited percent recoveries below the LCL for tetrachloroethylene (75.7%, 78.5%) and t-butylbenzene (78.9%). The associated results in samples RIB01\_0-2, RIB03\_0-2, RIB03\_15-17, RIB04\_0-2, RIB05\_0-2, RIB05\_10-12, RIB11\_20-22, and RIB11\_5-7 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30855 exhibited a percent recovery below the LCL for tetrachloroethylene (78.4%, 78.3%). The associated results in samples RIB03\_10.5-12.5 and RIBDUP01\_071723 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30858-BS1 exhibited a percent recovery below the LCL for tetrachloroethylene (77.7%, 76.9%). The associated results in sample RIB01\_11.5-13.5 are qualified as UJ because of potential low bias.

## 23G1093

The TB (RITB03\_071923) exhibited detections of acetone (6.65 ug/l) and methylene chloride (1.06 ug/l). The associated results in samples RIB01\_W\_15-16, RIB01\_W\_17-18, RIB07\_13-15, RIB08\_13-15, RIB07\_21-22, RIB07\_8-10, RIB08\_21-23, RIB08\_8-10 are qualified as U at the

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higher of the sample concentration and the reporting limit because of potential blank contamination. Associated results that are non-detect require no qualification.

The LCS/LCSD for batch BG30852 exhibited percent recoveries below the LCL for tetrachloroethylene (73.3%, 74.4%) and t-butylbenzene (77%, 77.3%). The associated results in samples RIB01\_W\_17-18, RIB07\_13-15, RIB07\_8-10, RIB08\_13-15, RIB08\_21-23, and RIB08\_8-10 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30854 exhibited percent recoveries below the LCL for tetrachloroethylene (74.7%, 76.4%) and t-butylbenzene (78.6%, 78.1%). The associated results in sample RIB07\_21-22 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30860 exhibited percent recoveries below the LCL for tetrachloroethylene (79.5%, 78.8%) and trichlorofluoromethane (64.1%, 60.9%). The associated results in sample RIB01\_W\_15-16 are qualified as UJ because of potential low bias.

## 23G1543

The TB (RITB04\_072623) exhibited detections of acetone (2.87 ug/l) and methylene chloride (2.41 ug/l). The associated detected results in samples RIB05\_D\_100-102 and RIB05\_D\_95-97 are qualified as U at the reporting limit because of potential blank contamination. Non-detect results did not require qualification.

The LCS/LCSD for batch BG30866 exhibited percent recoveries below the LCL for tetrachloroethylene (74.9%, 73.3%) and t-butylbenzene (79.9%, 78.9%). The associated results in samples RIB05\_D\_100-102 and RIB05\_D\_95-97 are qualified as J or UJ because of potential low bias.

## **SVOCs by SW-846 Method 8270D/8270D SIM**

### 23G1543

The LCS for batch BG31797 exhibited a percent recovery below the LCL for hexachlorocyclopentadiene (7.04%). The associated results in samples RIB05\_D\_100-102 and RIB05\_D\_95-97 are qualified as UJ because of potential low bias.

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## PFAS by USEPA Method 1633

### 23G0812

The sample RIB12\_0-2 exhibited a percent recovery above the UCL for the isotope dilution standard d5-N-EtFOSAA (155%). The associated results are qualified as UJ because of potential high bias.

The sample RIB09\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards d3-N-MeFOSAA (234%), d5-N-EtFOSAA (258%), M2-6:2 FTS (449%), M2-8:2 FTS (390%), and M2-4:2 FTS (306%). The associated results are qualified as UJ because of potential high bias.

The sample RIB09\_15-16.5 exhibited a percent recovery above the UCL for the isotope dilution standard d5-N-EtFOSAA (186%). The associated results are qualified as UJ because of potential high bias.

The LCS for batch BG30943 (BS1 and BS2) exhibited percent recoveries outside control limits for numerous analytes (ranging between 22.8% and 608%). Based on professional judgment, all associated results in samples RIB09\_0-2, RIB09\_10-12, RIB09\_15-16.5, RIB12\_0-2, and RIB12\_10-12 are qualified as J or UJ because of potential low bias.

### 23G0971

The sample RIB02\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards D3-NMEFOSAA (218%), D5-NETFOSAA (210%), M2-4:2 FTS (232%), and M2-6:2FTS (303%). The associated results are qualified as UJ because of potential high bias.

The sample RIB02\_15.5-17.5 exhibited percent recoveries above the UCL for the isotope dilution standards 13C3PFHXS (167%), 13C5PFHXA (152%), M2-4:2 FTS (299%), M2-6:2FTS (301%), and M3PFBS (177%). The associated results are qualified as UJ because of potential high bias.

The sample RIB02\_20-21 exhibited percent recoveries above the UCL for the isotope dilution standards D3-NMEFOSAA (196%), D5-NETFOSAA (217%), M2-4:2 FTS (254%), M2-6:2FTS (356%), and M2-8:2FTS (239%). The associated results are qualified as UJ because of potential high bias.

The sample RIB05\_15-16 exhibited percent recoveries above the UCL for the isotope dilution standards 13C3PFHXS (151%), 13C6PFDA (152%), 13C8FOSA (166%), 13C8PFOS (176%),

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D3-NMEFOSAA (208%), D5-NETFOSAA (232%), M2-4:2 FTS (265%), M2-6:2FTS (307%), M2-8:2FTS (223%), and M3PFBS (150%). The associated results are qualified as UJ because of potential high bias.

The sample RIB06\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards 13C5PFHXA (164%), D3-NMEFOSAA (253%), D5-NETFOSAA (256%), M2-4:2 FTS (583%), M2-6:2FTS (830%), and M2-8:2FTS (569%). The associated results are qualified as UJ because of potential high bias.

The sample RIB06\_10-12 exhibited percent recoveries above the UCL for the isotope dilution standards 13C3PFHXS (173%), D3-NMEFOSAA (198%), D5-NETFOSAA (196%), M2-4:2 FTS (276%), M2-6:2FTS (281%), M2-8:2FTS (258%), and M3PFBS (167%). The associated results are qualified as UJ because of potential high bias.

The sample RIB06\_15-16 exhibited percent recoveries above the UCL for the isotope dilution standards 13C5PFHXA (160%), D3-NMEFOSAA (154%), D5-NETFOSAA (197%), M2-4:2 FTS (202%), and M2-6:2FTS (275%). The associated results are qualified as UJ because of potential high bias.

The sample RIB10\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards M2-4:2 FTS (197%) and M2-6:2FTS (200%). The associated results are qualified as UJ because of potential high bias.

The sample RIB10\_10-12 exhibited percent recoveries above the UCL for the isotope dilution standards 13C5PFHXA (151%), M2-4:2 FTS (209%), and M2-6:2FTS (210%). The associated results are qualified as UJ because of potential high bias.

The sample RIB10\_18-20 exhibited percent recoveries above the UCL for the isotope dilution standards D3-NMEFOSAA (167%), D5-NETFOSAA (195%), M2-4:2 FTS (209%), M2-6:2FTS (265%), M2-4:2 FTS (245%), M2-6:2FTS (225%), and M2-8:2FTS (211%). The associated results are qualified as UJ because of potential high bias.

The sample RIDUP02\_071823 exhibited percent recoveries above the UCL for the isotope dilution standards M2-4:2 FTS (206%) and M2-6:2FTS (244%). The associated results are qualified as UJ because of potential high bias.

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The sample RIDUP02\_071823 exhibited percent recoveries below the LCL for the isotope dilution standards 13C4-perfluorobutanoic acid (19.6%) and d9-N-EtFOSE (20.5%). The associated results are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31065-BS1 exhibited percent recoveries below the LCL for 11Cl-PF3OUdS (45.9%), PFDoS (47.1%), and 7:3FTCA (19.6%). The associated results in samples RIB02\_0-2, RIB02\_15.5-17.5, RIB02\_20-21, RIB05\_15-16, RIB06\_0-2, RIB06\_10-12, RIB06\_15-16, RIB10\_0-2, RIB10\_10-12, RIB10\_18-20, RIB12\_18-20, RIDUP02\_071823 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31065 (BS2) exhibited percent recoveries below the LCL for NEtFOSAA (46.6%) and 7:3 FTCA (22.3%). The associated results in samples RIB02\_0-2, RIB02\_15.5-17.5, RIB02\_20-21, RIB05\_15-16, RIB06\_0-2, RIB06\_10-12, RIB06\_15-16, RIB10\_0-2, RIB10\_10-12, RIB10\_18-20, RIB12\_18-20, RIDUP02\_071823 are qualified as UJ because of potential low bias.

## 23G0881

The LCS for batch BG31040 (BS1) exhibited a percent recovery below the LCL for 3-perfluoroheptyl propanoic acid (7:3FTCA) (30.3%). The associated results in samples RIB01\_0-2, RIB01\_11.5-13.5, RIB01\_25.7-27.5, RIB03\_0-2, RIB03\_10.5-12.5, RIB03\_15-17, RIB04\_0-2, RIB04\_21-23, RIB04\_5-6, RIB05\_0-2, RIB05\_10-12, RIB11\_0-2, RIB11\_20-22, RIB11\_5-7, and RIBDUP01\_071723 are qualified as J or UJ because of potential low bias.

The LCS for batch BG31040 (BS2) exhibited percent recoveries below the LCL for 3-perfluoroheptyl propanoic acid (7:3FTCA) (18.7%), n-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) (37.9%), 11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) (39.2%), perfluorodecanesulfonic acid (PFDS) (40%), and 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) (49.5%). The associated results in samples RIB01\_0-2, RIB01\_11.5-13.5, RIB01\_25.7-27.5, RIB03\_0-2, RIB03\_10.5-12.5, RIB03\_15-17, RIB04\_0-2, RIB04\_21-23, RIB04\_5-6, RIB05\_0-2, RIB05\_10-12, RIB11\_0-2, RIB11\_20-22, RIB11\_5-7, and RIBDUP01\_071723 are qualified as J or UJ because of potential low bias.

The sample RIB01\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards M8PFOS (177%), d5-N-EtFOSAA (196%), M2-6:2 FTS (281%), M2-8:2 FTS (211%), and M2-4:2 FTS (209%). The associated results are qualified as J or UJ because of potential bias.

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The sample RIB01\_11.5-13.5 exhibited percent recoveries above the UCL for the isotope dilution standards d3-N-MeFOSAA (154%) and d5-N-EtFOSAA (170%). The associated results are qualified as UJ because of potential bias.

The sample RIB01\_25.7-27.5 exhibited percent recoveries above the UCL for the isotope dilution standards d3-N-MeFOSAA (162%), d5-N-EtFOSAA (194%), and M2-4:2 FTS (186%). The associated results are qualified as UJ because of potential bias.

The sample RIB11\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards d3-N-MeFOSAA (205%), d5-N-EtFOSAA (194%), M2-6:2 FTS (375%), M2-8:2 FTS (332%), and M2-4:2 FTS (275%). The associated results are qualified as UJ because of potential bias.

The sample RIB11\_5-7 exhibited a percent recovery below the LCL for the isotope dilution standard MPFBA (4.56%). The associated results are qualified as UJ because of potential bias.

The sample RIB03\_0-2 exhibited a percent recovery below the LCL for the isotope dilution standard d-N-EtFOSA (15.2%). The associated results are qualified as UJ because of potential bias.

The sample RIB03\_10.5-12.5 exhibited a percent recovery above the UCL for the isotope dilution standard M2-4:2 FTS (181%). The associated results are qualified as UJ because of potential bias.

The sample RIB03\_15-17 exhibited percent recoveries above the UCL for the isotope dilution standards M8PFOS (167%), d3-N-MeFOSAA (209%), d5-N-EtFOSAA (238%), M2-6:2 FTS (277%), M2-8:2 FTS (227%), M9PFNA (152%), and M2-4:2 FTS (225%). The associated results are qualified as UJ because of potential bias.

The sample RIBDUP01\_071723 exhibited percent recoveries above the UCL for the isotope dilution standards d5-N-EtFOSAA (160%), M2-6:2 FTS (249%), and M2-4:2 FTS (194%). The associated results are qualified as UJ because of potential bias.

The sample RIB04\_0-2 exhibited percent recoveries below the LCL for the isotope dilution standards MPFBA (1.24%) and M5PFPeA (12.3%). The associated results are qualified as J or UJ because of potential bias.

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The sample RIB04\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards d3-N-MeFOSAA (176%), d5-N-EtFOSAA (220%), M2-6:2 FTS (227%), and M2-8:2 FTS (218%). The associated results are qualified as UJ because of potential bias.

The sample RIB04\_5-6 exhibited a percent recovery below the LCL for the isotope dilution standard MPFBA (3.1%). The associated results are qualified as UJ because of potential bias.

The sample RIB04\_5-6 exhibited percent recoveries above the UCL for the isotope dilution standards M8PFOS (156%), d5-N-EtFOSAA (156%), M2-6:2 FTS (214%), and M2-4:2 FTS (159%). The associated results are qualified as UJ because of potential bias.

The sample RIB04\_21-23 exhibited a percent recovery below the LCL for the isotope dilution standard MPFBA (0.837%). The associated results are qualified as J because of potential bias.

The sample RIB04\_21-23 exhibited percent recoveries above the UCL for the isotope dilution standards M5PFPeA (5.52%), d3-N-MeFOSAA (159%), M2-6:2 FTS (224%), M2-8:2 FTS (228%), and M3HFPO-DA (18.2%). The associated results are qualified as UJ because of potential bias.

The sample RIB05\_0-2 exhibited percent recoveries above the UCL for the isotope dilution standards d5-N-EtFOSAA (176%), M2-6:2 FTS (325%), M2-8:2 FTS (209%), and M2-4:2 FTS (174%). The associated results are qualified as UJ because of potential bias.

The sample RIB05\_10-12 exhibited percent recoveries above the UCL for the isotope dilution standards d5-N-EtFOSAA (177%), M2-6:2 FTS (214%), and M2-4:2 FTS (188%). The associated results are qualified as UJ because of potential bias.

## 23G1093

The FB (ECFB04\_071923) exhibited detections of PFHxA (0.354 ng/l), PFOS (1.59 ng/l), and PFHxS (0.991 ng/l). The associated results in samples RIB01\_W\_15-16, RIB01\_W\_17-18, RIB07\_13-15, RIB08\_13-15, RIB07\_21-22, RIB07\_8-10, RIB08\_21-23, RIB08\_8-10 are qualified as U at the reporting limit because of potential blank contamination. Associated results that are >10X the contamination or non-detect require no qualification.

The LCS for batch BG31400 (BS1 and BS2) exhibited a percent recovery below the LCL for numerous analytes (ranging between 28.2% and 948%). Based on professional judgment, all PFAS associated results in samples RIB01\_W\_15-16, RIB01\_W\_17-18, RIB07\_13-15, RIB08\_13-

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15, RIB07\_21-22, RIB07\_8-10, RIB08\_21-23, RIB08\_8-10 are qualified as J or UJ because of potential low bias.

The sample RIB01\_W\_17-18 exhibited percent recoveries below the LCL for the isotope dilution standard D9-N-ETFOSE (18.3%), D-N-ETFOSA (23.6%), and D7-N-MEFOSE (24%). The associated results are qualified as UJ because of potential bias.

The sample RIB07\_21-22 exhibited percent recoveries below the LCL for the isotope dilution standard D-N-MEFOSA (11.6%), D-N-ETFOSA (13.5%), 13C2PFDOA (15.8%), D9-N-ETFOSE (18%), 13C9PFNA (19.4%), D7-N-MEFOSE (20.6%), M3HFPO-DA (22.7%), and 13C4PFBA (23.7%). The associated results are qualified as UJ because of potential bias.

The sample RIB07\_8-10 exhibited percent recoveries above the UCL for the isotope dilution standard 13C4PFHPA (151%) and 13C5PFHXA (159%). The associated results are qualified as UJ because of potential bias.

The sample RIB08\_13-15 exhibited a percent recovery above the UCL for the isotope dilution standard 13C8PFOS (167%). The associated results are qualified as UJ because of potential bias.

The sample RIB08\_21-23 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5PFHXA (159%), 13C6PFDA (167%), M2-4:2 FTS (169%), D3-NMEFOSAA (197%), M2-8:2FTS (237%), M2-6:2FTS (241%), and D5-NETFOSAA (283%). The associated results are qualified as UJ because of potential bias.

## **Pesticides by SW-846 Method 8081B**

### 23G0971

The sample RIB02\_0-2 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene [2c] (27.4). The associated results are qualified as UJ because of potential low bias.

### 23G0881

The sample RIB11\_5-7 exhibited a RPD above the control limit between the primary and secondary GC columns for methoxychlor (44.27%). The associated results are qualified as J because of potential indeterminate bias.

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## **Metals by SW-846 Method 6010D/6020B/7473/7470**

### 23G0812

The LCS for batch BG31151 exhibited percent recoveries above the UCL for arsenic (141%), barium (137%), beryllium (129%), cadmium (135%), chromium (143%), cobalt (138%), copper (149%), lead (146%), manganese (133%), nickel (141%), and vanadium (128%). The associated results in samples RIB09\_0-2, RIB09\_10-12, RIB09\_15-16.5, RIB12\_0-2, and RIB12\_10-12 are qualified as J because of potential high bias.

### 23G0971

The MS performed on sample RIB02\_15.5-17.5 exhibited percent recoveries below the LCL for silver (13.4%), lead (22.6%), antimony (39.4%), and selenium (62.6%). The associated results in sample RIB02\_15.5-17.5 are qualified as J or UJ because of potential low bias.

The LCS for batch BG31409-SRM1 exhibited a percent recovery below the LCL for selenium (0%). The associated results in samples RIB02\_0-2, RIB02\_15.5-17.5, RIB02\_20-21, RIB05\_15-16, RIB06\_0-2, RIB06\_10-12, RIB06\_15-16, RIB10\_0-2, RIB10\_10-12, RIB10\_18-20, RIB12\_18-20, RIDUP02\_071823 are qualified as UJ because of potential low bias.

### 23G0881

The MS performed on sample RIB04\_21-23 exhibited percent recoveries below the LCL for silver (0%), antimony (40.9%), selenium (53.5%), and lead (54.7%). The associated results in sample RIB04\_21-23 are qualified as J or UJ because of potential low bias.

The MS performed on sample RIB04\_21-23 exhibited percent recoveries above the UCL for chromium (130%), zinc (145%), and manganese (339%). The associated results in sample RIB04\_21-23 are qualified as J because of potential high bias.

The laboratory duplicate and parent sample (RIB04\_21-23) exhibited RPDs above the control limit for aluminum (50.2%), arsenic (84.6%), barium (35.7%), beryllium (115%), chromium (42.1%), cobalt (96.5%), copper (69.9%), iron (133%), lead (49.1%), magnesium (88.7%), manganese (114%), nickel (77.4%), potassium (45.5%), thallium (128%), and zinc (95.8%). The associated results are qualified as J because of potential indeterminate bias.

The LCS for batch BG31324 exhibited a percent recovery below the LCL for selenium (63.4%). The associated results in samples RIB01\_0-2, RIB01\_11.5-13.5, RIB01\_25.7-27.5, RIB03\_0-2, RIB03\_10.5-12.5, RIB03\_15-17, RIB04\_0-2, RIB04\_21-23, RIB04\_5-6, RIB05\_0-2, RIB05\_10-12,

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RIB11\_0-2, RIB11\_20-22, RIB11\_5-7, and RIBDUP01\_071723 are qualified as UJ because of potential low bias.

## 23G1093

The MS performed on sample RIB01\_W\_17-18 exhibited percent recoveries outside control limits for manganese (-31.7%), antimony (18.2%), silver (60.2%), mercury (70.2%), selenium (73.6%), and copper (127%). The associated results in sample RIB01\_W\_17-18 are qualified as J or UJ because of potential low bias.

The laboratory duplicate and parent sample (RIB01\_W\_17-18) exhibited RPDs above the control limit for lead (103%), barium (49.8%), copper (48.6%), and zinc (42.7%). The associated results are qualified as J because of potential indeterminate bias.

## **Hexavalent Chromium by SW-846 Method 7196A**

### 23G0971

The MS/MSD performed on sample RIB02\_15.5-17.5 exhibited a percent recovery below the LCL for hexavalent chromium (0%). The associated results in sample are qualified as UJ because of potential low bias.

### 23G0881

The MS performed on sample RIB04\_21-23 exhibited a percent recovery below the LCL for hexavalent chromium (0%). The associated results in sample RIB04\_21-23 are qualified as UJ because of potential low bias.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

## **VOCs by SW-846 Method 8260C**

### 23G0812

The FB (RIFB01\_071423) exhibited a detection of methylene chloride (0.550 ug/l). The associated results are non-detect. No qualification is necessary.

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## 23G0971

The MS/MSD performed on sample RIB02\_15.5-17.5 exhibited percent recoveries below the LCL for methylcyclohexane (69.2%) and acetone (-85.7%, -85.7%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

## 23G0881

The MS/MSD performed on sample RIB04\_21-23 exhibited percent recoveries below the LCL for acrolein (5.48%, 2.5%), methylcyclohexane (42.9%, 43.6%), cyclohexane (54.5%, 53.8%), and 1,2-dibromo-3-chloropropane (30.1%). This MS/MSD also exhibited a RPD above the control limit for 1,2-dibromo-3-chloropropane (56.7%). Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

The LCS/LCSD for batch BG30855 exhibited a percent recovery above the UCL for chloroethane (147%, 144%). The associated results are non-detect. No qualification is necessary.

## **SVOCs by SW-846 Method 8270D/8270D SIM**

### 23G0812

The FB (RIFB01\_071423) exhibited a detection of bis(2-ethylhexyl) phthalate (1.10 ug/l). The associated results are non-detect. No qualification is necessary.

The sample RIB09\_15-16.5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (116%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB09\_10-12 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (124%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB09\_0-2 (RE3) exhibited percent recoveries below the LCL for the surrogates phenol-d6 (20%), nitrobenzene-d5 (8%), and 2,4,6-tribromophenol (8%). The sample was diluted >10X. No qualification is necessary.

The LCS for batch BG31081 exhibited percent recoveries above the UCL for 2,3,4,6-tetrachlorophenol (134%), benzoic acid (157%), and pentachlorophenol (145%). The associated results are non-detect. No qualification is necessary.

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## 23G0971

The sample RIB02\_0-2 (RE1) exhibited a percent recovery above the UCL for the surrogate terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

The sample RIB02\_0-2 (RE2) exhibited percent recoveries above the UCL for the surrogates 2-fluorophenol (0%), nitrobenzene-d5 (0%), 2,4,6-tribromophenol (0%), and terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

## 23G0881

The MS/MSD performed on sample RIB04\_21-23 exhibited a percent recoveries and RPDs outside control limits for numerous compounds. Organic results are not qualified on the basis of MS/MSD recoveries and RPDs alone. No qualification is necessary.

The sample RIB01\_11.5-13.5 exhibited percent recoveries above the UCL for the surrogates 2,4,6-tribromophenol (134%) and nitrobenzene-d5 (112%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB01\_25.7-27.5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (118%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB05\_0-2 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (113%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB04\_21-23 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (141%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIBDUP01\_071723 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (117%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB04\_0-2 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (0%). The sample was diluted >10X. No qualification is necessary.

The sample RIB11\_5-7 (RE) exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (120%). The sample was diluted >10X. No qualification is necessary.

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The sample RIB11\_0-2 (RE2) exhibited percent recoveries above the UCL for the surrogates nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

## 23G1093

The sample RIB01\_W\_15-16 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (156%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB01\_W\_17-18 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (144%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB07\_13-15 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (134%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB07\_8-10 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (141%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB08\_13-15 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (139%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB08\_21-23 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (142%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIB08\_8-10 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (138%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

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## **PFAS by USEPA Method 1633**

### 23G0971

The LCS/LCSD for batch BG31065 (BS1) exhibited percent recoveries above the UCL for 1H,1H, 2H, 2H-perfluorooctane sulfonic acid (168%) and 3-perfluoropropyl propanoic acid (3:3 FTCA) (323%). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BG31065-BS2 exhibited a percent recovery above the UCL for 3:3 FTCA (217%). The associated results are non-detect. No qualification is necessary.

### 23G0881

The FB (ECFB02\_071723) exhibited a detection of perfluorobutanoic acid (0.378 ng/l). The associated trace results in samples RIB01\_0-2, RIB01\_11.5-13.5, RIB03\_10.5-12.5, RIB01\_25.7-27.5, RIB03\_0-2, RIB03\_15-17, RIB04\_0-2, RIB04\_21-23, RIB04\_5-6, RIB05\_0-2, RIB05\_10-12, RIB11\_0-2, RIB11\_20-22, RIB11\_5-7, and RIBDUP01\_071723 are qualified as U at the reporting limit because of potential blank contamination. The associated results that are >10X the contamination or non-detect require no qualification.

The LCS for batch BG31040 (BS1) exhibited percent recoveries above the UCL for 4,8-dioxa-3h-perfluorononanoic acid (ADONA) (150%), perfluorooctane sulfonamide (PFOSA) (152%), perfluoropentanesulfonic acid (PFPeS) (168%), 1h,1h, 2h, 2h-perfluorodecane sulfonic acid (174%), 1h,1h, 2h, 2h-perfluorooctane sulfonic acid (198%), and 3-perfluoropropyl propanoic acid (3:3 FTCA) (458%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31040 (BS2) exhibited percent recoveries above the UCL for 1h,1h, 2h, 2h-perfluorodecane sulfonic acid (156%) and 3-perfluoropropyl propanoic acid (3:3 FTCA) (275%). The associated results are non-detect. No qualification is necessary.

The sample RIB11\_20-22 exhibited a percent recovery below the LCL for the isotope dilution standard MPFBA (4.88%). The associated results were previously qualified. No further action is necessary.

## **Herbicides by SW-846 Method 8151A**

### 23G0881

The MS/MSD performed on sample RIB03\_0-2 exhibited RPDs above the control limit for 2,4,5-T (45%), 2,4,5-TP (44.3%), and 2,4-D (38.8%). Organic results are not qualified on the basis of MS/MSD RPDs alone. No qualification is necessary.

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The MS/MSD performed on sample RIB04\_21-23 exhibited RPDs above the control limit for 2,4,5-T (63.6%), 2,4,5-TP (56.1%), and 2,4-D (82%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

## **Pesticides by SW-846 Method 8081B**

### 23G0812

The MS/MSD performed on sample RIB09\_10-12 exhibited a percent recovery below the LCL for methoxychlor (38.1%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

## **Metals by SW-846 Method 6010D/6020B/7473/7470**

### 23G0812

The MB for batch BG31151 exhibited a detection of potassium (10.7 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The FB (RIFB01\_071423) exhibited detections of calcium (0.405 mg/l) and selenium (3.16 ug/l). The associated results are >10X the contamination or non-detect. No qualification is necessary.

### 23G0971

The MS performed on sample RIB02\_15.5-17.5 exhibited percent recoveries outside control limits for calcium (-2300%), potassium (-226%), manganese (-222%), magnesium (-180%), sodium (165%), iron (392%), and aluminum (1920%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

### 23G0881

The MS performed on sample RIB04\_21-23 exhibited percent recoveries outside control limits for calcium (-937%), sodium (187%), potassium (1360%), aluminum (3200%), magnesium (3290%), and iron (14300%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

### 23G1093

The MB for batch BG31503 exhibited a detection of potassium (4.42 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

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The MS performed on sample RIB01\_W\_17-18 exhibited percent recoveries outside control limits for iron (-8170%), aluminum (-1530%), magnesium (-1400%), potassium (-216%), sodium (-167%), zinc (62.3%), and calcium (205%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

## Hexavalent Chromium by SW-846 Method 7196A

### 23G0812

The FB (RIFB01\_071423) exhibited a detection of total chromium (0.00583 mg/l). The associated results are >10X the contamination. No qualification is necessary.

## FIELD DUPLICATES:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than  $\pm 2X$  the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- RIDUP02\_071823 and RIB10\_18-20
- RIBDUP01\_071723 and RIB03\_10.5-12.5

The field duplicate and parent sample (RIDUP02\_071823 and RIB10\_18-20) exhibited RPDs above the control limit for arsenic (78.1%), lead (86.9%), mercury (142%), and zinc (112.6%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (RIDUP02\_071823 and RIB10\_18-20) exhibited an absolute difference above the RL for beryllium (0.181 mg/kg). The associated results are qualified as J because of potential indeterminate bias. The field duplicate and parent sample (RIBDUP01\_071723 and RIB03\_10.5-12.5) exhibited a RPD above the control limit for methylcyclohexane (63.6%). The associated results are qualified as J because of potential indeterminate bias.

RIBDUP01\_071723 and RIB03\_10.5-12.5 met precision criteria.

## CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above,

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that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

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**To:** Albert Tashji, Langan Senior Project Manager  
**From:** Joe Conboy, Langan Senior Staff Chemist  
**Date:** August 28, 2023  
**Re:** Data Usability Summary Report  
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This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in July 2023 by Langan Engineering and Environmental Services at 224 3rd Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D/8270D SIM
- PFAS by USEPA Method 1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D/6020B/7470
- Cyanide by SW-846 Method 4500 CN C-2016 / E-2016
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium by calculation

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation

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- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. Four SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

## **MAJOR DEFICIENCIES:**

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### **VOCs by SW-846 Method 8260C**

#### 23G1540

The TB (GWTB02\_072623) exhibited detections of acetone (4.44 ug/l) and methylene chloride (0.990 ug/l). The associated results in sample RIMW02\_072623 are qualified as U at the sample concentration because of potential blank contamination.

The LCS/LCSD for batch BH30199 exhibited percent recoveries below the LCL for trans-1,3-dichloropropene (74.6%, 71.7%), cyclohexane (48.2%, 46.8%), dibromochloromethane (77.2%, 75.3%), bromoform (65.2%, 63.6%), bromodichloromethane (75.8%, 74.5%), and hexachlorobutadiene (62.2%, 64.3%). The associated results in sample RIMW02\_072623 are qualified as J or UJ because of potential low bias.

#### 23G1300

The LCS/LCSD for batch BG31603 exhibited percent recoveries below the LCL for cyclohexane (46.1%, 43.1%) and bromoform (76.4%, 74.7%). The associated results in sample RIMW05\_072123 and RIMW07\_072123 are qualified as UJ because of potential low bias.

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## 23G1635

The TB (GWTB03\_072723) exhibited detections of acetone (2.90 ug/l) and methylene chloride (2.47 ug/l). The associated detected results in samples RIMW01\_072723 and RIMW06\_072723 are qualified as U at the sample concentration because of potential blank contamination.

The LCS/LCSD for batch BH30201 exhibited percent recoveries below the LCL for cis-1,3-dichloropropene (79%, 77.8%), trans-1,3-dichloropropene (72.5%, 70.7%), cyclohexane (48%, 45.3%), dibromochloromethane (79.8%, 79.3%), bromoform (66.2%, 65.1%), bromodichloromethane (78.8%, 77.6%), and hexachlorobutadiene (66.3%, 60.8%). The associated results in samples RIMW01\_072723 and RIMW06\_072723 are qualified as J or UJ because of potential low bias.

## 23G1703

The LCS/LCSD for batch BH30199 exhibited percent recoveries below the LCL for cyclohexane (48.2%, 46.8%), dibromochloromethane (77.2%, 75.3%), trans-1,3-dichloropropene (74.6%, 71.7%), bromoform (65.2%, 63.6%), bromodichloromethane (75.8%, 74.5%), and hexachlorobutadiene (62.2%, 64.3%). The associated results in samples GWDUP01\_072823, RIMW03\_072823, and RIMW04\_072823 are qualified as UJ because of potential low bias.

## **SVOCs by SW-846 Method 8270D/8270D SIM**

### 23G1540

The LCS for batch BG31688 exhibited percent recoveries below the LCL for benzoic acid (14.4%), caprolactam (0%), and 4-nitroaniline (0%). The associated results in sample RIMW02\_072623 are qualified as UJ because of potential low bias.

### 23G1300

The MB for batch BG31402 exhibited a detection of naphthalene (0.100 ug/l). The associated results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as J because of potential blank contamination.

The LCS for batch BG31402 exhibited a percent recovery below the LCL for benzoic acid (19.2%). The associated results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as UJ because of potential low bias.

The LCS for batch BG31402-BS2 exhibited percent recoveries above the UCL for bis(2-ethylhexyl) phthalate (317%), hexachloroethane (316%), and pentachlorophenol (178%). The

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associated results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as J because of potential high bias.

The LCS for batch BG31402-BS2 exhibited percent recoveries below the LCL for n-nitrosodimethylamine (0%). The associated results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as UJ because of potential low bias.

## 23G1635

The MB for batch BG31686 exhibited a detection of naphthalene (0.0500 ug/l). The associated results in sample RIMW01\_072723 are qualified as U at the sample concentration because of potential blank contamination.

The LCSD for batch BG31686 exhibited a percent recovery below the LCL for benzoic acid (10.2%). The associated results in sample RIMW01\_072724 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31687 exhibited a percent recovery below the LCL for benzoic acid (14.6%, 17.2%). The associated results in sample RIMW06\_072723 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31686 exhibited percent recoveries below the LCL for 4-nitroaniline (0%) and caprolactam (0%). The associated results in sample RIMW01\_072723 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31686 exhibited RPDs above the control limit for benzoic acid (26%) and benzyl alcohol (20.5%). The associated results in sample RIMW01\_072723 are qualified as UJ because of potential indeterminate bias.

## 23G1703

The LCS/LCSD for batch BH30303 exhibited percent recoveries and RPDs outside control limits for numerous analytes (ranging between 18.9% and 36.3% %, and between 21.3% and 27.4%, respectively). All associated results in samples GWDUP01\_072823, RIMW03\_072823, and RIMW04\_072823 are qualified as J or UJ because of potential low bias.

The LCS/LCSD for batch BH30303 exhibited a percent recovery above the UCL for hexachloroethane (210%). The associated results are non-detect. No qualification is necessary.

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## PFAS by USEPA Method 1633

### 23G1540

The sample RIMW02\_072623 exhibited a percent recovery below the LCL for the isotope dilution standard 13C4PFBA (9.97%). The associated results are qualified as J because of potential low bias.

The sample RIMW02\_072623 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5PFHXA (168%), 13C5PFPEA (161%), 13C8PFOS (161%), D3-NMEFOSAA (159%), M2-4:2 FTS (457%), and M2-6:2FTS (294%). The associated results are qualified as J because of potential high bias.

The LCS for batch BH30021 (BS1 and BS2) exhibited a percent recovery below the LCL for numerous analytes (ranging between 25.4% and 698%). The associated results in sample RIMW02\_072623 are qualified as J or UJ because of potential low bias.

### 23G1300

The laboratory duplicate and parent sample (RIMW07\_072123) exhibited a RPD above the control limit for PFOS (56.2%). The associated results are qualified as J because of potential indeterminate bias.

The sample RIMW05\_072123 exhibited a percent recovery below the LCL for the isotope dilution standard 13C4PFBA (2.47%). The associated results are qualified as UJ because of potential low bias.

The sample RIMW07\_072123 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4PFBA (2.45%) and (). The associated results are qualified as UJ because of potential low bias.

The sample RIMW05\_072123 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5PFHXA (191%), 13C8PFOS (215%), 13C8PFOS (369%), D5-NETFOSAA (150%), and M2-4:2 FTS (388%). The associated results are qualified as J because of potential high bias.

The sample RIMW07\_072123 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5PFHXA (175%), M2-4:2 FTS (528%), M2-6:2FTS (522%), and M2-8:2FTS (315%). The associated results are qualified as J because of potential high bias.

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## 23G1635

The sample RIMW01\_072723 exhibited a percent recovery below the LCL for the isotope dilution standard 13C4PFBA (2.66%). The associated results are qualified as UJ because of potential low bias.

The sample RIMW06\_072723 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4PFBA (3.93%). The associated results are qualified as UJ because of potential low bias.

The sample RIMW01\_072723 exhibited percent recoveries above the UCL for the isotope dilution standard M2-4:2 FTS (394%), M2-6:2 FTS (288%), M2-8:2 FTS (234%), 13C5PFHXA (178%), 13C8FOSA (161%), 13C8PFOS (172%), D3-NMEFOSAA (188%), and D5-NETFOSAA (198%). The associated results are qualified as UJ because of potential high bias.

The sample RIMW06\_072723 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5PFHXA (163%), 13C5PFPEA (156%), and M2-4:2 FTS (301%). The associated results are qualified as J because of potential high bias.

The LCS for batch BH30021 (BS1 and BS2) exhibited percent recoveries outside control limits for numerous analytes (ranging between 25.4% and 698%). The associated results in samples RIMW01\_072723 and RIMW06\_072723 are qualified as J or UJ because of potential bias.

## 23G1703

The LCS for batch BH30270 (BS1 and BS2) exhibited percent recoveries above the UCL for n-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE) (150%), perfluorooctanesulfonic acid (PFOS) (207%), n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) (154%), perfluorohexanesulfonic acid (PFHxS) (160%), 3-perfluoropropyl propanoic acid (3:3 FTCA) (691%, 448%), perfluoroheptanoic acid (PFHpA) (162%), 1h,1h, 2h, 2h-perfluorodecane sulfonic acid (188%), and perfluorooctane sulfonamide (PFOSA) (161%). The associated detected results in samples GWDUP01\_072823, RIMW03\_072823, and RIMW04\_072823 are qualified as J because of potential high bias.

The LCS for batch BH30270 (BS1 and BS2) exhibited percent recoveries below the LCL for 3-perfluoroheptyl propanoic acid (7:3 FTCA) (27%, 15%), perfluoro-3-methoxypropanoic acid (PFMPA) (32.2%), and perfluorododecanesulfonic acid (PFDoS) (48.8%). The associated results in samples GWDUP01\_072823, RIMW03\_072823, and RIMW04\_072823 are qualified as UJ because of potential low bias.

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The sample GWDUP01\_072823 exhibited a percent recovery below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (3.67%). The associated results are qualified as J because of potential low bias.

The sample RIMW04\_072823 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (3.52%). The associated results are qualified as J because of potential low bias.

The sample GWDUP01\_072823 exhibited a percent recovery above the UCL for the isotope dilution standard M2-4:2 FTS (202%). The associated results are qualified as UJ because of potential high bias.

The sample RIMW04\_072823 exhibited percent recoveries above the UCL for the isotope dilution standards M2-4:2 FTS (448%) and sodium 1h,1h,2h,2h-perfluoro-1-[1,2-13c2]-octane sulfonate (6:2) (352%). The associated results are qualified as UJ because of potential high bias.

## **Herbicides by SW-846 Method 8151A**

### 23G1300

The LCS/LCSD for batch BG31518 exhibited RPDs above the control limit for 2,4,5-tp (35.6%), 2,4,5-t (31.7%), and 2,4-d (31.2%). The associated results in sample RIMW05\_072123 and RIMW07\_072123 are qualified as UJ because of potential indeterminate bias.

### 23G1635

The sample RIMW06\_072723 exhibited a percent recovery below the LCL for the surrogate 2,4-dichlorophenylacetic acid (1C) (29.4%). The associated results are qualified as UJ because of potential low bias.

### 23G1703

The sample GWDUP01\_072823 exhibited a percent recovery below the LCL for the surrogate 2,4-dichlorophenylacetic acid (23.8%). The associated results are qualified as UJ because of potential low bias.

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## **Pesticides by SW-846 Method 8081B**

### 23G1540

The sample RIMW02\_072623 exhibited a RPD above the control limit between the primary and secondary GC columns for beta-BHC (72.68%). The associated results are qualified as J because of potential indeterminate bias.

### 23G1703

The sample RIMW04\_072823 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (20.2%). The associated results are qualified as UJ because of potential low bias.

## **Metals by SW-846 Method 6010D/6020B/7470**

### 23G1540

The LCS for batch BH30019 exhibited a percent recovery below the LCL for total potassium (71.1%). The associated results in sample RIMW02\_072623 are qualified as J because of potential low bias.

The laboratory duplicate and parent sample (RIMW02\_072623) exhibited RPDs above the control limit for dissolved aluminum (135%) and dissolved lead (145%). The associated results are qualified as J because of potential indeterminate bias.

### 23G1300

The MB for batch BG31633 exhibited a detection of total selenium (2.23 ug/l). The associated results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as J or as U at the sample concentration because of potential blank contamination.

The LCS for batch BG31633 exhibited a percent recovery above the UCL for total beryllium (129%, J%). The associated detected results in samples RIMW05\_072123 and RIMW07\_072123 are qualified as J because of potential high bias.

The MS/MSD performed on sample RIMW07\_072123 exhibited a RPD above the control limit for dissolved mercury (25.5%). The associated results in sample are qualified as UJ because of potential indeterminate bias.

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## 23G1635

The MS performed on sample RIMW01\_072723 exhibited a percent recovery above the UCL for dissolved selenium (131%). The associated results in sample RIMW01\_072723 are qualified as J because of potential high bias.

The MS performed on sample RIMW01\_072723 exhibited a percent recovery above the UCL for total aluminum (130%). The associated results in sample RIMW01\_072723 are qualified as J because of potential high bias.

## 23G1703

The LCS for batch BH30256 exhibited a percent recovery above the UCL for total selenium (125%). The associated results in samples GWDUP01\_072823, RIMW03\_072823, and RIMW04\_072823 are qualified as J because of potential high bias.

## **Cyanide by SW-846 Method 4500 CN C-2016 / E-2016**

### 23G1300

The MSD performed on sample RIMW07\_072123 exhibited a percent recovery below the LCL for cyanide (75%). The associated results in sample are qualified as J because of potential low bias.

The laboratory duplicate and parent sample (RIMW07\_072123) exhibited a RPD above the control limit for cyanide (48.6%). The associated results are qualified as J because of potential indeterminate bias.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

## **VOCs by SW-846 Method 8260C**

### 23G1540

The FB (GWFB01\_072623) exhibited a detection of chloroform (1.33 ug/l). The associated results are non-detect. No qualification is necessary.

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## 23G1300

The TB (GWTB01\_072123) exhibited detections of acetone (3.24 ug/l) and methylene chloride (1.53 ug/l). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample RIMW07\_072123 exhibited percent recoveries below the LCL for 1,1,2,2-tetrachloroethane (73.8%) and cyclohexane (46.3%, 50.2%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS/MSD performed on sample RIMW07\_072123 exhibited a RPD above the control limit for 1,4-dioxane (p-dioxane) (50.8). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

## 23G1703

The TB (GWTB04\_072823) exhibited detections of methylene chloride (1.50 ug/l) and acetone (3.03 ug/l). The associated results are non-detect. No qualification is necessary.

## **SVOCs by SW-846 Method 8270D/8270D SIM**

## 23G1540

The FB (GWFB01\_072623) exhibited a detection of fluorene (0.260 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31688 exhibited a percent recovery above the UCL for hexachloroethane (298%). The associated results are non-detect. No qualification is necessary.

## 23G1300

The MS/MSD performed on sample RIMW07\_072123 exhibited percent recoveries and RPDs outside control limits for numerous analytes (ranging between 81.7% and 301% and RPDs ranging between 22.5% and 45.3%). Organic results are not qualified on the basis of MS/MSD recoveries and RPDs alone. No qualification is necessary.

## 23G1635

The MB for batch BG31686 exhibited a detection of bis(2-ethylhexyl) phthalate (0.580 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31686 exhibited a percent recovery above the UCL for hexachloroethane (284%). The associated results are non-detect. No qualification is necessary.

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The LCS for batch BG31687 exhibited a percent recovery above the UCL for hexachloroethane (246%). The associated results are non-detect. No qualification is necessary.

## 23G1703

The MB for batch BH30303 exhibited a detection of naphthalene (0.0600 ug/l). The associated results are >10X the contamination. No qualification is necessary.

The sample GWDUP01\_072823 exhibited a percent recovery below the LCL for the surrogate nitrobenzene-d5 (50%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The sample RIMW04\_072823 exhibited a percent recovery below the LCL for the surrogate nitrobenzene-d5 (42.8%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

## **PFAS by USEPA Method 1633**

### 23G1300

The LCS for batch BG31591 (BS1) exhibited percent recoveries above the UCL for 3-perfluoropropyl propanoic acid (3:3 ftca) (444%) and 3-perfluoroheptyl propanoic acid (7:3ftca) (20.8%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31591 (BS2) exhibited percent recoveries above the UCL for 3-perfluoropropyl propanoic acid (3:3 ftca) (429%), 1h,1h, 2h, 2h-perfluorodecane sulfonic acid (178%), and 3-perfluoroheptyl propanoic acid (7:3ftca) (23.1%). The associated results are non-detect. No qualification is necessary.

## **Metals by SW-846 Method 6010D/6020B/7470**

### 23G1540

The MB for batch BH30019 exhibited a detection of total potassium (0.128 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The FB (GWFB01\_072623) exhibited detections of total potassium (0.0964 mg/l), total sodium (0.674 mg/l), and total calcium (0.0655 mg/l). The associated results are >10X the contamination. No qualification is necessary.

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The MS performed on sample RIMW02\_072623 exhibited percent recoveries above the UCL for total potassium (72.1%), total sodium (-566%), and total calcium (464%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

## 23G1300

The MB for batch BG31634 exhibited a detection of dissolved potassium (0.246 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample RIMW07\_072123 exhibited percent recoveries outside control limits for total aluminum (156%), total iron (328%), total magnesium (136%), total sodium (-1820%), and total calcium (-365%). The associated results are non-detect or are >4X the spiked amount. No qualification is necessary.

The MS performed on sample RIMW07\_072123 exhibited a percent recovery above the UCL for total antimony (126%). The associated results are non-detect. No qualification is necessary.

The MS performed on sample RIMW07\_072123 exhibited percent recoveries below the LCL for dissolved sodium (-455%) and dissolved calcium (126%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample RIMW07\_072123 exhibited a percent recovery above the UCL for dissolved antimony (125%). The associated results are non-detect. No qualification is necessary.

The MSD performed on sample RIMW07\_072123 exhibited a percent recovery above the UCL for dissolved mercury (144%). The associated results are non-detect. No qualification is necessary.

The MSD performed on sample RIMW07\_072123 exhibited a percent recovery above the UCL for total mercury (130%). The associated results are non-detect. No qualification is necessary.

The laboratory duplicate and parent sample (RIMW07\_072123) exhibited a RPD above the control limit for total selenium (34.1%). The associated results were previously qualified. No further action is necessary.

## 23G1635

The MS performed on sample RIMW06\_072723 exhibited a percent recovery above the UCL for total antimony (132%). The associated results are non-detect. No qualification is necessary.

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The MS performed on sample RIMW01\_072723 exhibited percent recoveries outside control limits for total iron (139%), total magnesium (-40.3%), total potassium (-10.6%), total sodium (-3580%), and total calcium (-1240%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample RIMW06\_072723 exhibited percent recoveries outside control limits for dissolved magnesium (-62.3%), dissolved potassium (-77.6%), dissolved sodium (-786%), and dissolved calcium (-1320%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

## 23G1703

The MB for batch BH30255 exhibited a detection of total potassium (0.0718 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BH30257 exhibited detections of dissolved aluminum (0.0664 mg/l) and dissolved potassium (0.143 mg/l). The associated results are >10X the contamination or non-detect. No qualification is necessary.

The MS performed on sample RIMW03\_072823 exhibited a percent recovery above the UCL for dissolved mercury (126%). The associated results are non-detect. No qualification is necessary.

## **FIELD DUPLICATES:**

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than  $\pm 1X$  the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pair was compared to the precision criteria:

- GWDUP01\_072823 and RIMW03\_072823

The field duplicate and parent sample (GWDUP01\_072823 and RIMW03\_072823) exhibited a RPD above the control limit for naphthalene (55.8%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (GWDUP01\_072823 and RIMW03\_072823) exhibited absolute differences above the RL for dissolved aluminum (0.4 ug/l), anthracene (0.28 ug/l),

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benzo(a)anthracene (0.07 mg/l), chrysene (0.06 ug/l), fluoranthene (0.19 ug/l), total iron (2.54 ug/l), dissolved iron (2.45 ug/l), perfluorooctanesulfonic acid (pfos) (3.6 ng/l), phenanthrene (0.22 ug/l), pyrene (0.24 ug/l), and dissolved zinc (0.24 ug/l). The associated results are qualified as J or UJ because of potential indeterminate bias.

## **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

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1 University Square Drive Princeton, NJ 08540 T: 609.282.8000  
Mailing Address: 1 University Square Drive Princeton, NJ 08540

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**To:** Ali Reach, Langan Staff Geologist

**From:** Joe Conboy, Langan Senior Staff Chemist

**Date:** August 8, 2023

**Re:** Data Usability Summary Report  
For 224 3<sup>rd</sup> Ave  
July 2023 Sub-slab Vapor and Indoor Air Samples  
Langan Project No.: 170758101

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This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in July 2023 by Langan Engineering and Environmental Services at the 224 3rd Ave site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs

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values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. One SDG underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

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## MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### VOCs by USEPA Method TO-15

#### 23G1402

The MB for batch BG31573 exhibited a detection of isopropanol (0.59 ug/m<sup>3</sup>). The associated detected results in samples SSV01\_072123, SSV02\_072123, SSV03\_072123, SSV04\_072123, SSV05\_072123, and SSV06\_072123 are qualified as J because of potential blank contamination. Sample results greater than 10x the blank concentration and non-detect results did not require qualification.

The MB for batch BG31709 exhibited a detection of 1,2,4-trichlorobenzene (0.74 ug/m<sup>3</sup>). The associated results in sample IA07\_072123 are qualified as U at the sample concentration because of potential blank contamination.

The LCS for batch BG31570 exhibited a percent recovery above the UCL for 2-hexanone (149%). The associated detected results in samples IA01\_072123, IA02\_072123, IA03\_072123, IA04\_072123, IA05\_072123, SSV02\_072123, SSV05\_072123, and SSV07\_072123 are qualified as J because of potential high bias.

The LCS for batch BG31573 exhibited percent recoveries above the UCL for 1,3-butadiene (177%), 2-hexanone (135%), chloromethane (192%), and vinyl chloride (176%). The associated detected results in samples SSV01\_072123, SSV02\_072123, SSV03\_072123, SSV04\_072123, SSV05\_072123, and SSV06\_072123 are qualified as J because of potential high bias.

The laboratory duplicate and parent sample (SSV06\_072123) exhibited a RPD above the control limit for tetrachloroethylene (43.3%). The associated results are qualified as J because of potential indeterminate bias.

The LCS for batch BG31632 exhibited percent recoveries above the UCL for 2-hexanone (163%), 4-methyl-2-pentanone (137%), and methyl methacrylate (131%). The associated detected results in sample IA06\_072123 are qualified as J because of potential high bias.

The LCS for batch BG31709 exhibited percent recoveries above the UCL for 2-hexanone (163%), 4-methyl-2-pentanone (138%), and methyl methacrylate (132%). The associated detected results in sample IA07\_072123 are qualified as J because of potential high bias.

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The sample SSV03\_072123 exhibited a laboratory-measured receipt pressure below -10 in. Hg (-16.05 in. Hg"). The associated results in sample SSV03\_072123 are qualified as J or UJ because of potential indeterminate bias.

The sample SSV06\_072123 exhibited a laboratory-measured receipt pressure below -10 in. Hg (-10.37 in. Hg"). The associated results in sample SSV06\_072123 are qualified as J or UJ because of potential indeterminate bias.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

## **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 1: Sample Summary**

Analytical Parameters				VOCs	SVOCs	SVOC SIM	PFAS	Herbs
SDG	Lab Sample ID	Client ID	Sample Date	SW8260	SW8270	SW8270DSIM	E1633	SW8151
23G1543	23G1543-02	RIB05_D_100-102	7/26/2023	x	x			
23G1543	23G1543-01	RIB05_D_95-97	7/26/2023	x	x			
23G1543	23G1543-03	RITB04_072623	7/26/2023	x				
23G0812	23G0812-08	ECFB01_071423	7/14/2023				x	
23G0812	23G0812-04	RIB09_0-2	7/14/2023	x	x	x	x	x
23G0812	23G0812-09	RIB09_10-12	7/14/2023	x	x	x	x	x
23G0812	23G0812-05	RIB09_15-16.5	7/14/2023	x	x	x	x	x
23G0812	23G0812-01	RIB12_0-2	7/14/2023	x	x	x	x	x
23G0812	23G0812-02	RIB12_10-12	7/14/2023	x	x	x	x	x
23G0812	23G0812-03	RIB12_18-20	7/14/2023	x	x	x	x	x
23G0812	23G0812-06	RIFB01_071423	7/14/2023	x	x	x		x
23G0812	23G0812-07	RITB01_071423	7/14/2023	x				
23G1093	23G1093-09	ECFB04_071923	7/19/2023				x	
23G1093	23G1093-07	RIB01_W_15-16	7/19/2023	x	x	x	x	x
23G1093	23G1093-08	RIB01_W_17-18	7/19/2023	x	x	x	x	x
23G1093	23G1093-06	RIB07_13-15	7/19/2023	x	x	x	x	x
23G1093	23G1093-05	RIB07_21-22	7/19/2023	x	x	x	x	x
23G1093	23G1093-04	RIB07_8-10	7/19/2023	x	x	x	x	x
23G1093	23G1093-02	RIB08_13-15	7/19/2023	x	x	x	x	x
23G1093	23G1093-03	RIB08_21-23	7/19/2023	x	x	x	x	x
23G1093	23G1093-01	RIB08_8-10	7/19/2023	x	x	x	x	x
23G1093	23G1093-10	RITB03_071923	7/19/2023	x				
23G0971	23G0971-16	ECFB03_071823	7/18/2023				x	
23G0971	23G0971-08	RIB02_0-2	7/18/2023	x	x	x	x	x
23G0971	23G0971-09	RIB02_15.5-17.5	7/18/2023	x	x	x	x	x
23G0971	23G0971-10	RIB02_20-21	7/18/2023	x	x	x	x	x
23G0971	23G0971-07	RIB05_15-16	7/18/2023	x	x	x	x	x
23G0971	23G0971-03	RIB06_0-2	7/18/2023	x	x	x	x	x
23G0971	23G0971-04	RIB06_10-12	7/18/2023	x	x	x	x	x
23G0971	23G0971-05	RIB06_15-16	7/18/2023	x	x	x	x	x
23G0971	23G0971-12	RIB10_0-2	7/18/2023	x	x	x	x	x
23G0971	23G0971-13	RIB10_10-12	7/18/2023	x	x	x	x	x
23G0971	23G0971-14	RIB10_18-20	7/18/2023	x	x	x	x	x
23G0971	23G0812-03	RIB12_18-20	7/18/2023	x	x	x	x	x
23G0971	23G0971-15	RIDUP02_071823	7/18/2023	x	x	x	x	x
23G0971	23G0971-01	RIFB02_071823	7/18/2023	x	x	x		x
23G0971	23G0971-17	RITB02_071823	7/18/2023	x				
23G0881	23G0881-17	ECFB02_071723	7/17/2023				x	
23G0881	23G0881-01	RIB01_0-2	7/17/2023	x	x	x	x	x
23G0881	23G0881-02	RIB01_11.5-13.5	7/17/2023	x	x	x	x	x
23G0881	23G0881-03	RIB01_25.7-27.5	7/17/2023	x	x	x	x	x
23G0881	23G0881-07	RIB03_0-2	7/17/2023	x	x	x	x	x
23G0881	23G0881-08	RIB03_10.5-12.5	7/17/2023	x	x	x	x	x
23G0881	23G0881-09	RIB03_15-17	7/17/2023	x	x	x	x	x
23G0881	23G0881-12	RIB04_0-2	7/17/2023	x	x	x	x	x
23G0881	23G0881-14	RIB04_21-23	7/17/2023	x	x	x	x	x
23G0881	23G0881-13	RIB04_5-6	7/17/2023	x	x	x	x	x
23G0881	23G0881-15	RIB05_0-2	7/17/2023	x	x	x	x	x
23G0881	23G0881-16	RIB05_10-12	7/17/2023	x	x	x	x	x
23G0881	23G0881-04	RIB11_0-2	7/17/2023	x	x	x	x	x
23G0881	23G0881-06	RIB11_20-22	7/17/2023	x	x	x	x	x
23G0881	23G0881-05	RIB11_5-7	7/17/2023	x	x	x	x	x
23G0881	23G0881-10	RIBDUP01_071723	7/17/2023	x	x	x	x	x

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**July 2023 Soil Samples**  
**Table 1: Sample Summary**

Analytical Parameters				PCBs SW8082	Pests SW8081	Metals				Cyanide SM4500	Hex Chrom SW7196	Tri Chrom CALC
SDG	Lab Sample ID	Client ID	Sample Date			SW7473	SW6010	SW6020	SW7470			
23G1543	23G1543-02	RIB05_D_100-102	7/26/2023							x		
23G1543	23G1543-01	RIB05_D_95-97	7/26/2023							x		
23G1543	23G1543-03	RITB04_072623	7/26/2023									
23G0812	23G0812-08	ECFB01_071423	7/14/2023									
23G0812	23G0812-04	RIB09_0-2	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-09	RIB09_10-12	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-05	RIB09_15-16.5	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-01	RIB12_0-2	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-02	RIB12_10-12	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-03	RIB12_18-20	7/14/2023	x	x	x	x			x	x	x
23G0812	23G0812-06	RIFB01_071423	7/14/2023	x	x		x	x	x	x	x	x
23G0812	23G0812-07	RITB01_071423	7/14/2023									
23G1093	23G1093-09	ECFB04_071923	7/19/2023									
23G1093	23G1093-07	RIB01_W_15-16	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-08	RIB01_W_17-18	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-06	RIB07_13-15	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-05	RIB07_21-22	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-04	RIB07_8-10	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-02	RIB08_13-15	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-03	RIB08_21-23	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-01	RIB08_8-10	7/19/2023	x	x	x	x			x	x	x
23G1093	23G1093-10	RITB03_071923	7/19/2023									
23G0971	23G0971-16	ECFB03_071823	7/18/2023									
23G0971	23G0971-08	RIB02_0-2	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-09	RIB02_15.5-17.5	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-10	RIB02_20-21	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-07	RIB05_15-16	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-03	RIB06_0-2	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-04	RIB06_10-12	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-05	RIB06_15-16	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-12	RIB10_0-2	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-13	RIB10_10-12	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-14	RIB10_18-20	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0812-03	RIB12_18-20	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-15	RIDUP02_071823	7/18/2023	x	x	x	x			x	x	x
23G0971	23G0971-01	RIFB02_071823	7/18/2023	x	x		x	x	x	x	x	x
23G0971	23G0971-17	RITB02_071823	7/18/2023									
23G0881	23G0881-17	ECFB02_071723	7/17/2023									
23G0881	23G0881-01	RIB01_0-2	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-02	RIB01_11.5-13.5	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-03	RIB01_25.7-27.5	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-07	RIB03_0-2	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-08	RIB03_10.5-12.5	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-09	RIB03_15-17	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-12	RIB04_0-2	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-14	RIB04_21-23	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-13	RIB04_5-6	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-15	RIB05_0-2	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-16	RIB05_10-12	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-04	RIB11_0-2	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-06	RIB11_20-22	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-05	RIB11_5-7	7/17/2023	x	x	x	x			x	x	x
23G0881	23G0881-10	RIBDUP01_071723	7/17/2023	x	x	x	x			x	x	x

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1543	RIB05_D_100-102	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	J
23G1543	RIB05_D_100-102	SW8260	67-64-1	NA	Acetone	U(0.0087)
23G1543	RIB05_D_100-102	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1543	RIB05_D_100-102	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
23G1543	RIB05_D_95-97	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1543	RIB05_D_95-97	SW8260	67-64-1	NA	Acetone	J
23G1543	RIB05_D_95-97	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1543	RIB05_D_95-97	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
23G0812	RIB09_0-2	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0812	RIB09_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0812	RIB09_0-2	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0812	RIB09_0-2	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0812	RIB09_0-2	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G0812	RIB09_0-2	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0812	RIB09_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0812	RIB09_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0812	RIB09_0-2	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0812	RIB09_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0812	RIB09_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0812	RIB09_0-2	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0812	RIB09_0-2	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0812	RIB09_0-2	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0812	RIB09_0-2	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G0812	RIB09_0-2	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0812	RIB09_0-2	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0812	RIB09_0-2	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G0812	RIB09_0-2	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0812	RIB09_0-2	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0812	RIB09_0-2	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G0812	RIB09_0-2	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G0812	RIB09_0-2	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0812	RIB09_0-2	E1633	2706-91-4	NA	Perfluoropentanesulfonic acid (PFPeS)	UJ
23G0812	RIB09_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0812	RIB09_0-2	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSA)	UJ
23G0812	RIB09_0-2	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	J
23G0812	RIB09_0-2	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0812	RIB09_0-2	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0812	RIB09_0-2	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G0812	RIB09_0-2	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0812	RIB09_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0812	RIB09_0-2	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0812	RIB09_0-2	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0812	RIB09_0-2	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0812	RIB09_0-2	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0812	RIB09_0-2	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0812	RIB09_0-2	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0812	RIB09_0-2	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0812	RIB09_0-2	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0812	RIB09_0-2	SW6010	7439-92-1	NA	Lead	J
23G0812	RIB09_0-2	SW6010	7439-96-5	NA	Manganese	J
23G0812	RIB09_0-2	SW6010	7440-02-0	NA	Nickel	J
23G0812	RIB09_0-2	SW6010	7440-38-2	NA	Arsenic	J
23G0812	RIB09_0-2	SW6010	7440-39-3	NA	Barium	J
23G0812	RIB09_0-2	SW6010	7440-41-7	NA	Beryllium	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0812	RIB09_0-2	SW6010	7440-43-9	NA	Cadmium	J
23G0812	RIB09_0-2	SW6010	7440-47-3	NA	Chromium, Total	J
23G0812	RIB09_0-2	SW6010	7440-48-4	NA	Cobalt	J
23G0812	RIB09_0-2	SW6010	7440-50-8	NA	Copper	J
23G0812	RIB09_0-2	SW6010	7440-62-2	NA	Vanadium	J
23G0812	RIB09_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	J
23G0812	RIB09_0-2	SW8260	67-64-1	NA	Acetone	J
23G0812	RIB09_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0812	RIB09_10-12	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G0812	RIB09_10-12	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0812	RIB09_10-12	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G0812	RIB09_10-12	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G0812	RIB09_10-12	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0812	RIB09_10-12	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0812	RIB09_10-12	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0812	RIB09_10-12	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G0812	RIB09_10-12	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0812	RIB09_10-12	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G0812	RIB09_10-12	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0812	RIB09_10-12	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0812	RIB09_10-12	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0812	RIB09_10-12	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0812	RIB09_10-12	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0812	RIB09_10-12	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G0812	RIB09_10-12	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0812	RIB09_10-12	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0812	RIB09_10-12	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0812	RIB09_10-12	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0812	RIB09_10-12	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0812	RIB09_10-12	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0812	RIB09_10-12	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0812	RIB09_10-12	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0812	RIB09_10-12	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0812	RIB09_10-12	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0812	RIB09_10-12	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0812	RIB09_10-12	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0812	RIB09_10-12	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0812	RIB09_10-12	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0812	RIB09_10-12	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G0812	RIB09_10-12	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0812	RIB09_10-12	E1633	756426-58-1	NA	Perhexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0812	RIB09_10-12	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0812	RIB09_10-12	E1633	763051-92-9	NA	Perheicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0812	RIB09_10-12	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0812	RIB09_10-12	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0812	RIB09_10-12	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0812	RIB09_10-12	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0812	RIB09_10-12	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0812	RIB09_10-12	SW6010	7439-92-1	NA	Lead	J
23G0812	RIB09_10-12	SW6010	7439-96-5	NA	Manganese	J
23G0812	RIB09_10-12	SW6010	7440-02-0	NA	Nickel	J
23G0812	RIB09_10-12	SW6010	7440-38-2	NA	Arsenic	J
23G0812	RIB09_10-12	SW6010	7440-39-3	NA	Barium	J
23G0812	RIB09_10-12	SW6010	7440-47-3	NA	Chromium, Total	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0812	RIB09_10-12	SW6010	7440-48-4	NA	Cobalt	J
23G0812	RIB09_10-12	SW6010	7440-50-8	NA	Copper	J
23G0812	RIB09_10-12	SW6010	7440-62-2	NA	Vanadium	J
23G0812	RIB09_15-16.5	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0812	RIB09_10-12	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0812	RIB09_10-12	SW8260	67-64-1	NA	Acetone	J
23G0812	RIB09_10-12	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0812	RIB09_15-16.5	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G0812	RIB09_15-16.5	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0812	RIB09_15-16.5	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G0812	RIB09_15-16.5	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G0812	RIB09_15-16.5	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0812	RIB09_15-16.5	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0812	RIB09_15-16.5	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0812	RIB09_15-16.5	E1633	24448-09-7	NA	N-ethyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G0812	RIB09_15-16.5	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0812	RIB09_15-16.5	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G0812	RIB09_15-16.5	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0812	RIB09_15-16.5	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSE)	UJ
23G0812	RIB09_15-16.5	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0812	RIB09_15-16.5	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0812	RIB09_15-16.5	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0812	RIB09_15-16.5	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G0812	RIB09_15-16.5	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0812	RIB09_15-16.5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0812	RIB09_15-16.5	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0812	RIB09_15-16.5	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0812	RIB09_15-16.5	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0812	RIB09_15-16.5	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0812	RIB09_15-16.5	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0812	RIB09_15-16.5	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0812	RIB09_15-16.5	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0812	RIB09_15-16.5	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0812	RIB09_15-16.5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0812	RIB09_15-16.5	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0812	RIB09_15-16.5	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0812	RIB09_15-16.5	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0812	RIB09_15-16.5	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G0812	RIB09_15-16.5	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0812	RIB09_15-16.5	E1633	756426-58-1	NA	Perhexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0812	RIB09_15-16.5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0812	RIB09_15-16.5	E1633	763051-92-9	NA	Perheicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0812	RIB09_15-16.5	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0812	RIB09_15-16.5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0812	RIB09_15-16.5	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0812	RIB09_15-16.5	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0812	RIB09_15-16.5	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0812	RIB09_15-16.5	SW6010	7439-92-1	NA	Lead	J
23G0812	RIB09_15-16.5	SW6010	7439-96-5	NA	Manganese	J
23G0812	RIB09_15-16.5	SW6010	7440-02-0	NA	Nickel	J
23G0812	RIB09_15-16.5	SW6010	7440-38-2	NA	Arsenic	J
23G0812	RIB09_15-16.5	SW6010	7440-39-3	NA	Barium	J
23G0812	RIB09_15-16.5	SW6010	7440-41-7	NA	Beryllium	J
23G0812	RIB09_15-16.5	SW6010	7440-47-3	NA	Chromium, Total	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0812	RIB09_15-16.5	SW6010	7440-48-4	NA	Cobalt	J
23G0812	RIB09_15-16.5	SW6010	7440-50-8	NA	Copper	J
23G0812	RIB09_15-16.5	SW6010	7440-62-2	NA	Vanadium	J
23G0812	RIB09_15-16.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0812	RIB09_15-16.5	SW8260	67-64-1	NA	Acetone	J
23G0812	RIB12_0-2	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G0812	RIB12_0-2	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0812	RIB12_0-2	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0812	RIB12_0-2	E1633	1691-99-2	NA	n-ethyl perfluorooctanesulfonamidoethanol (NEtFOSA)	UJ
23G0812	RIB12_0-2	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0812	RIB12_0-2	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0812	RIB12_0-2	E1633	2355-31-9	NA	n-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G0812	RIB12_0-2	E1633	24448-09-7	NA	n-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G0812	RIB12_0-2	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0812	RIB12_0-2	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G0812	RIB12_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0812	RIB12_0-2	E1633	2991-50-6	NA	n-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSA)	UJ
23G0812	RIB12_0-2	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0812	RIB12_0-2	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0812	RIB12_0-2	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0812	RIB12_0-2	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G0812	RIB12_0-2	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0812	RIB12_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0812	RIB12_0-2	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0812	RIB12_0-2	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0812	RIB12_0-2	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0812	RIB12_0-2	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0812	RIB12_0-2	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0812	RIB12_0-2	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0812	RIB12_0-2	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0812	RIB12_0-2	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0812	RIB12_0-2	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0812	RIB12_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0812	RIB12_0-2	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0812	RIB12_0-2	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0812	RIB12_0-2	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G0812	RIB12_0-2	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0812	RIB12_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PFOA)	UJ
23G0812	RIB12_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0812	RIB12_0-2	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PFOA)	UJ
23G0812	RIB12_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0812	RIB12_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0812	RIB12_0-2	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0812	RIB12_0-2	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0812	RIB12_0-2	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0812	RIB12_0-2	SW6010	7439-92-1	NA	Lead	J
23G0812	RIB12_0-2	SW6010	7439-96-5	NA	Manganese	J
23G0812	RIB12_0-2	SW6010	7440-02-0	NA	Nickel	J
23G0812	RIB12_0-2	SW6010	7440-38-2	NA	Arsenic	J
23G0812	RIB12_0-2	SW6010	7440-39-3	NA	Barium	J
23G0812	RIB12_0-2	SW6010	7440-41-7	NA	Beryllium	J
23G0812	RIB12_0-2	SW6010	7440-43-9	NA	Cadmium	J
23G0812	RIB12_0-2	SW6010	7440-47-3	NA	Chromium, Total	J
23G0812	RIB12_0-2	SW6010	7440-48-4	NA	Cobalt	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0812	RIB12_0-2	SW6010	7440-50-8	NA	Copper	J
23G0812	RIB12_0-2	SW6010	7440-62-2	NA	Vanadium	J
23G0812	RIB12_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0812	RIB12_0-2	SW8260	67-64-1	NA	Acetone	J
23G0812	RIB12_10-12	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G0812	RIB12_10-12	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0812	RIB12_10-12	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0812	RIB12_10-12	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSA)	UJ
23G0812	RIB12_10-12	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0812	RIB12_10-12	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0812	RIB12_10-12	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOA)	UJ
23G0812	RIB12_10-12	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSA)	UJ
23G0812	RIB12_10-12	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0812	RIB12_10-12	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G0812	RIB12_10-12	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0812	RIB12_10-12	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOA)	UJ
23G0812	RIB12_10-12	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0812	RIB12_10-12	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0812	RIB12_10-12	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0812	RIB12_10-12	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOSA)	UJ
23G0812	RIB12_10-12	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0812	RIB12_10-12	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0812	RIB12_10-12	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0812	RIB12_10-12	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0812	RIB12_10-12	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0812	RIB12_10-12	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0812	RIB12_10-12	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0812	RIB12_10-12	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0812	RIB12_10-12	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0812	RIB12_10-12	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0812	RIB12_10-12	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0812	RIB12_10-12	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0812	RIB12_10-12	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0812	RIB12_10-12	E1633	68259-12-1	NA	Perfluorononanesulfonic acid (PFNS)	UJ
23G0812	RIB12_10-12	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G0812	RIB12_10-12	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0812	RIB12_10-12	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PFOA)	UJ
23G0812	RIB12_10-12	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0812	RIB12_10-12	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PFOA)	UJ
23G0812	RIB12_10-12	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0812	RIB12_10-12	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0812	RIB12_10-12	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0812	RIB12_10-12	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0812	RIB12_10-12	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0812	RIB12_10-12	SW6010	7439-92-1	NA	Lead	J
23G0812	RIB12_10-12	SW6010	7439-96-5	NA	Manganese	J
23G0812	RIB12_10-12	SW6010	7440-02-0	NA	Nickel	J
23G0812	RIB12_10-12	SW6010	7440-38-2	NA	Arsenic	J
23G0812	RIB12_10-12	SW6010	7440-39-3	NA	Barium	J
23G0812	RIB12_10-12	SW6010	7440-41-7	NA	Beryllium	J
23G0812	RIB12_10-12	SW6010	7440-43-9	NA	Cadmium	J
23G0812	RIB12_10-12	SW6010	7440-47-3	NA	Chromium, Total	J
23G0812	RIB12_10-12	SW6010	7440-48-4	NA	Cobalt	J
23G0812	RIB12_10-12	SW6010	7440-50-8	NA	Copper	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0812	RIB12_10-12	SW6010	7440-62-2	NA	Vanadium	J
23G0812	RIB12_10-12	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0812	RIB12_10-12	SW8260	67-64-1	NA	Acetone	J
23G0812	RIB12_10-12	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0812	RIB12_18-20	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0812	RIB12_18-20	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB01_W_15-16	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G1093	RIB01_W_15-16	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB01_W_15-16	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1093	RIB01_W_15-16	E1633	1691-99-2	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB01_W_15-16	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB01_W_15-16	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB01_W_15-16	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G1093	RIB01_W_15-16	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB01_W_15-16	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB01_W_15-16	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB01_W_15-16	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB01_W_15-16	E1633	2991-50-6	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G1093	RIB01_W_15-16	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB01_W_15-16	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB01_W_15-16	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB01_W_15-16	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	J
23G1093	RIB01_W_15-16	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB01_W_15-16	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB01_W_15-16	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB01_W_15-16	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB01_W_15-16	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB01_W_15-16	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB01_W_15-16	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB01_W_15-16	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB01_W_15-16	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB01_W_15-16	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB01_W_15-16	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB01_W_15-16	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB01_W_15-16	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB01_W_15-16	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB01_W_15-16	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB01_W_15-16	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB01_W_15-16	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G1093	RIB01_W_15-16	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB01_W_15-16	E1633	763051-92-9	NA	heicosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G1093	RIB01_W_15-16	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB01_W_15-16	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB01_W_15-16	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB01_W_15-16	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB01_W_15-16	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB07_8-10	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB07_8-10	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB07_8-10	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB07_8-10	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB07_8-10	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB07_8-10	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB07_8-10	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G1093	RIB01_W_15-16	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB01_W_15-16	SW8260	67-64-1	NA	Acetone	U(0.011)
23G1093	RIB01_W_15-16	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB01_W_17-18	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)	UJ
23G1093	RIB01_W_17-18	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB01_W_17-18	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1093	RIB01_W_17-18	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB01_W_17-18	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB01_W_17-18	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOEA)	UJ
23G1093	RIB01_W_17-18	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB01_W_17-18	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB01_W_17-18	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB01_W_17-18	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB01_W_17-18	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB01_W_17-18	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB01_W_17-18	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB01_W_17-18	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB01_W_17-18	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB01_W_17-18	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB01_W_17-18	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB01_W_17-18	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB01_W_17-18	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB01_W_17-18	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB01_W_17-18	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB01_W_17-18	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB01_W_17-18	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB01_W_17-18	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB01_W_17-18	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB01_W_17-18	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB01_W_17-18	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB01_W_17-18	E1633	756426-58-1	NA	Perhexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PFOA)	UJ
23G1093	RIB01_W_17-18	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB01_W_17-18	E1633	763051-92-9	NA	Pericosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PFOA)	UJ
23G1093	RIB01_W_17-18	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB01_W_17-18	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB01_W_17-18	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB01_W_17-18	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB01_W_17-18	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB01_W_17-18	SW6010	7439-92-1	NA	Lead	J
23G1093	RIB01_W_17-18	SW6010	7439-96-5	NA	Manganese	J
23G1093	RIB01_W_17-18	SW6010	7440-22-4	NA	Silver	UJ
23G1093	RIB01_W_17-18	SW6010	7440-36-0	NA	Antimony	J
23G1093	RIB01_W_17-18	SW6010	7440-39-3	NA	Barium	J
23G1093	RIB01_W_17-18	SW6010	7440-50-8	NA	Copper	J
23G1093	RIB01_W_17-18	SW6010	7440-66-6	NA	Zinc	J
23G1093	RIB01_W_17-18	SW6010	7782-49-2	NA	Selenium	UJ
23G1093	RIB01_W_17-18	SW7473	7439-97-6	NA	Mercury	UJ
23G1093	RIB01_W_17-18	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB01_W_17-18	SW8260	67-64-1	NA	Acetone	U(0.021)
23G1093	RIB01_W_17-18	SW8260	98-06-6	NA	T-Butylbenzene	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB07_13-15	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G1093	RIB07_13-15	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB07_13-15	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G1093	RIB07_13-15	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB07_13-15	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB07_13-15	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB07_13-15	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G1093	RIB07_13-15	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB07_13-15	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB07_13-15	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB07_13-15	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB07_13-15	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSE)	UJ
23G1093	RIB07_13-15	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB07_13-15	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB07_13-15	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSE)	UJ
23G1093	RIB07_13-15	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB07_13-15	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB07_13-15	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB07_13-15	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB07_13-15	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB07_13-15	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB07_13-15	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB07_13-15	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB07_13-15	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB07_13-15	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB07_13-15	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB07_13-15	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB07_13-15	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB07_13-15	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSE)	UJ
23G1093	RIB07_13-15	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB07_13-15	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB07_13-15	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSE)	UJ
23G1093	RIB07_13-15	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G1093	RIB07_13-15	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB07_13-15	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G1093	RIB07_13-15	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB07_13-15	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB07_13-15	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB07_13-15	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB07_13-15	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB07_13-15	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB07_13-15	SW8260	67-64-1	NA	Acetone	J
23G1093	RIB07_13-15	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB07_21-22	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G1093	RIB07_21-22	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB07_21-22	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G1093	RIB07_21-22	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB07_21-22	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB07_21-22	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB07_21-22	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G1093	RIB07_21-22	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB07_21-22	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB07_21-22	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB07_21-22	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB07_21-22	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G1093	RIB07_21-22	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	U(0.32)
23G1093	RIB07_21-22	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB07_21-22	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB07_21-22	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB07_21-22	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB07_21-22	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB07_21-22	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB07_21-22	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB07_21-22	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB07_21-22	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB07_21-22	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB07_21-22	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB07_21-22	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB07_21-22	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB07_21-22	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB07_21-22	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB07_21-22	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1093	RIB07_21-22	E1633	68259-12-1	NA	Perfluorononanesulfonic acid (PFNS)	UJ
23G1093	RIB07_21-22	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G1093	RIB07_21-22	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB07_21-22	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G1093	RIB07_21-22	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB07_21-22	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G1093	RIB07_21-22	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB07_21-22	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB07_21-22	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB07_21-22	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB07_21-22	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB08_13-15	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB08_13-15	SW8260	67-64-1	NA	Acetone	J
23G1093	RIB07_21-22	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB07_21-22	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB07_8-10	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	UJ
23G1093	RIB07_8-10	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB07_8-10	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDA)	UJ
23G1093	RIB07_8-10	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB07_8-10	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB07_8-10	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB07_8-10	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G1093	RIB07_8-10	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB07_8-10	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB07_8-10	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB07_8-10	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB07_8-10	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G1093	RIB07_8-10	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB07_8-10	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB07_8-10	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB07_8-10	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB07_8-10	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB07_8-10	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB07_8-10	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB07_8-10	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB07_8-10	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB07_8-10	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB07_8-10	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB07_8-10	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB07_8-10	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB07_8-10	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB07_8-10	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB07_8-10	E1633	763051-92-9	NA	heicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G1093	RIB07_8-10	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB07_8-10	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB07_8-10	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB07_8-10	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB07_8-10	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB07_8-10	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB07_8-10	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB08_13-15	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	UJ
23G1093	RIB08_13-15	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB08_13-15	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1093	RIB08_13-15	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB08_13-15	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB08_13-15	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB08_13-15	E1633	2355-31-9	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NMeFOSE)	UJ
23G1093	RIB08_13-15	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB08_13-15	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB08_13-15	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB08_13-15	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB08_13-15	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSE)	UJ
23G1093	RIB08_13-15	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB08_13-15	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB08_13-15	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB08_13-15	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB08_13-15	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB08_13-15	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB08_13-15	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB08_13-15	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB08_13-15	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB08_13-15	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB08_13-15	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB08_13-15	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB08_13-15	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB08_13-15	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB08_13-15	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB08_13-15	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB08_13-15	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1093	RIB08_13-15	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB08_13-15	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB08_13-15	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB08_13-15	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G1093	RIB08_13-15	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB08_13-15	E1633	763051-92-9	NA	heicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G1093	RIB08_13-15	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB08_13-15	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB08_13-15	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB08_13-15	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB08_13-15	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB08_13-15	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB08_21-23	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G1093	RIB08_21-23	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB08_21-23	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1093	RIB08_21-23	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB08_21-23	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB08_21-23	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB08_21-23	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G1093	RIB08_21-23	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB08_21-23	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB08_21-23	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB08_21-23	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1093	RIB08_21-23	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G1093	RIB08_21-23	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB08_21-23	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB08_21-23	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB08_21-23	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB08_21-23	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB08_21-23	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB08_21-23	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB08_21-23	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB08_21-23	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB08_21-23	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB08_21-23	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB08_21-23	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB08_21-23	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB08_21-23	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB08_21-23	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB08_21-23	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB08_21-23	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1093	RIB08_21-23	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1093	RIB08_21-23	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	UJ
23G1093	RIB08_21-23	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1093	RIB08_21-23	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G1093	RIB08_21-23	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB08_21-23	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G1093	RIB08_21-23	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB08_21-23	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB08_21-23	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB08_21-23	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB08_21-23	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB08_21-23	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB08_21-23	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G1093	RIB08_8-10	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	UJ
23G1093	RIB08_8-10	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1093	RIB08_8-10	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1093	RIB08_8-10	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1093	RIB08_8-10	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1093	RIB08_8-10	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1093	RIB08_8-10	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G1093	RIB08_8-10	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1093	RIB08_8-10	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1093	RIB08_8-10	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1093	RIB08_8-10	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Soil Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1093	RIB08_8-10	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G1093	RIB08_8-10	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1093	RIB08_8-10	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G1093	RIB08_8-10	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1093	RIB08_8-10	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G1093	RIB08_8-10	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1093	RIB08_8-10	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1093	RIB08_8-10	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1093	RIB08_8-10	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1093	RIB08_8-10	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1093	RIB08_8-10	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1093	RIB08_8-10	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1093	RIB08_8-10	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1093	RIB08_8-10	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G1093	RIB08_8-10	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1093	RIB08_8-10	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1093	RIB08_8-10	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1093	RIB08_8-10	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1093	RIB08_8-10	E1633	68259-12-1	NA	Perfluorononanesulfonic acid (PFNS)	UJ
23G1093	RIB08_8-10	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1093	RIB08_8-10	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (FOSA)	UJ
23G1093	RIB08_8-10	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G1093	RIB08_8-10	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1093	RIB08_8-10	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G1093	RIB08_8-10	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1093	RIB08_8-10	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1093	RIB08_8-10	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1093	RIB08_8-10	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1093	RIB08_8-10	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1093	RIB08_8-10	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1093	RIB08_8-10	SW8260	67-64-1	NA	Acetone	J
23G1093	RIB08_8-10	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIB05_15-16	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB06_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB02_0-2	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0971	RIB02_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB02_0-2	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G0971	RIB02_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB02_0-2	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0971	RIB02_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB02_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB02_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB02_0-2	SW8081	5566-34-7	NA	gamma-Chlordane	UJ
23G0971	RIB02_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB02_0-2	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB02_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIB02_15.5-17.5	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB02_15.5-17.5	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G0971	RIB02_15.5-17.5	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0971	RIB02_15.5-17.5	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0971	RIB02_15.5-17.5	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0971	RIB02_15.5-17.5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB02_15.5-17.5	E1633	763051-92-9	NA	icosadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0971	RIB02_15.5-17.5	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0971	RIB02_15.5-17.5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB02_15.5-17.5	SW6010	7439-92-1	NA	Lead	J
23G0971	RIB02_15.5-17.5	SW6010	7440-22-4	NA	Silver	UJ
23G0971	RIB02_15.5-17.5	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB02_15.5-17.5	SW6010	7440-36-0	NA	Antimony	J
23G0971	RIB02_15.5-17.5	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB02_15.5-17.5	SW7196	18540-29-9	NA	Chromium, Hexavalent	UJ
23G0971	RIB02_15.5-17.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB02_15.5-17.5	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIB02_20-21	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB02_20-21	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB02_20-21	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB02_20-21	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0971	RIB02_20-21	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB02_20-21	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB02_20-21	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB02_20-21	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB02_20-21	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB02_20-21	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB02_20-21	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB05_15-16	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0971	RIB05_15-16	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB05_15-16	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB05_15-16	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB05_15-16	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0971	RIB05_15-16	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0971	RIB05_15-16	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0971	RIB05_15-16	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0971	RIB05_15-16	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0971	RIB05_15-16	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB05_15-16	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB05_15-16	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB05_15-16	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB05_15-16	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB05_15-16	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB05_15-16	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB06_0-2	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB06_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB06_0-2	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB06_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0971	RIB06_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB06_0-2	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB06_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB06_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB06_0-2	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB06_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB06_10-12	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB06_10-12	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB06_10-12	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB06_10-12	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0971	RIB06_10-12	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0971	RIB06_10-12	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0971	RIB06_10-12	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB06_10-12	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0971	RIB06_10-12	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB06_10-12	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB06_10-12	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB06_10-12	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB06_10-12	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB06_10-12	SW8260	67-64-1	NA	Acetone	U (0.0098)
23G0971	RIB06_15-16	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB06_15-16	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB06_15-16	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB06_15-16	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0971	RIB06_15-16	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB06_15-16	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB06_15-16	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB06_15-16	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB06_15-16	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB06_15-16	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB06_15-16	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB06_15-16	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB10_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB10_0-2	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB10_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB10_0-2	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB10_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB10_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB10_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB10_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	J
23G0971	RIB10_10-12	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB10_10-12	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB10_10-12	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0971	RIB10_10-12	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB10_10-12	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB10_10-12	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB10_10-12	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB10_10-12	SW6010	7440-23-5	NA	Sodium	J
23G0971	RIB10_10-12	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB10_10-12	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB10_10-12	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB10_10-12	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIB10_18-20	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P	UJ
23G0971	RIB10_18-20	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB10_18-20	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB10_18-20	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB10_18-20	SW8260	67-64-1	NA	Acetone	J
23G0971	RIB10_18-20	SW6010	7440-38-2	NA	Arsenic	J
23G0971	RIB10_18-20	SW6010	7440-41-7	NA	Beryllium	J
23G0971	RIB10_18-20	SW6010	7439-92-1	NA	Lead	J
23G0971	RIB10_18-20	SW7473	7439-97-6	NA	Mercury	J
23G0971	RIB10_18-20	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS	UJ
23G0971	RIB10_18-20	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO	UJ
23G0971	RIB10_18-20	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB10_18-20	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB10_18-20	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIB10_18-20	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB10_18-20	SW6010	7440-66-6	NA	Zinc	J

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0971	RIB12_18-20	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIB12_18-20	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0971	RIB12_18-20	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0971	RIB12_18-20	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIB12_18-20	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0971	RIB12_18-20	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIB12_18-20	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIB12_18-20	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIB12_18-20	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIB12_18-20	SW8260	67-64-1	NA	Acetone	J
23G0971	RIDUP02_071823	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0971	RIDUP02_071823	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0971	RIDUP02_071823	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0971	RIDUP02_071823	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0971	RIDUP02_071823	SW8260	67-64-1	NA	Acetone	J
23G0971	RIDUP02_071823	SW6010	7440-38-2	NA	Arsenic	J
23G0971	RIDUP02_071823	SW6010	7440-41-7	NA	Beryllium	J
23G0971	RIDUP02_071823	SW6010	7439-92-1	NA	Lead	J
23G0971	RIDUP02_071823	SW7473	7439-97-6	NA	Mercury	J
23G0971	RIDUP02_071823	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0971	RIDUP02_071823	E1633	1691-99-2	NA	ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G0971	RIDUP02_071823	SW6010	7440-02-0	NA	Nickel	J
23G0971	RIDUP02_071823	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0971	RIDUP02_071823	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0971	RIDUP02_071823	SW6010	7782-49-2	NA	Selenium	UJ
23G0971	RIDUP02_071823	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0971	RIDUP02_071823	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0971	RIDUP02_071823	SW6010	7440-66-6	NA	Zinc	J
23G0881	RIB01_0-2	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	J
23G0881	RIB01_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB01_0-2	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB01_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB01_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB01_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB01_0-2	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB01_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB01_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB01_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB01_11.5-13.5	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB01_11.5-13.5	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB01_11.5-13.5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB01_11.5-13.5	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB01_11.5-13.5	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB01_11.5-13.5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB01_11.5-13.5	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB01_11.5-13.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB01_25.7-27.5	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB01_25.7-27.5	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB01_25.7-27.5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB01_25.7-27.5	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB01_25.7-27.5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB01_25.7-27.5	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB01_25.7-27.5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB01_25.7-27.5	SW6010	7782-49-2	NA	Selenium	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0881	RIB01_25.7-27.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB01_25.7-27.5	SW8260	67-64-1	NA	Acetone	J
23G0881	RIB01_25.7-27.5	SW8260	79-01-6	NA	Trichloroethylene (TCE)	UJ
23G0881	RIB03_0-2	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB03_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB03_0-2	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0881	RIB03_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB03_0-2	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB03_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB03_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB03_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB03_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIB03_10.5-12.5	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB05_10-12	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB05_10-12	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB05_10-12	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB03_10.5-12.5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB03_10.5-12.5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB03_10.5-12.5	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB03_10.5-12.5	SW8260	108-87-2	NA	Methylcyclohexane	J
23G0881	RIB03_10.5-12.5	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB03_10.5-12.5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB03_10.5-12.5	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB03_10.5-12.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB03_15-17	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0881	RIB03_15-17	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB03_15-17	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB03_15-17	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB03_15-17	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB03_15-17	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0881	RIB03_15-17	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB03_15-17	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB03_15-17	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB03_15-17	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB03_15-17	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB03_15-17	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB03_15-17	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB03_15-17	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIB04_0-2	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB04_0-2	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	J
23G0881	RIB04_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB04_0-2	E1633	2991-50-6	NA	thyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB04_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB04_0-2	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0881	RIB04_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB04_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB04_0-2	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB04_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB04_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB04_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB04_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIB04_21-23	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0881	RIB04_21-23	E1633	2355-31-9	NA	thyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB04_21-23	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Soil Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0881	RIB04_21-23	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB04_21-23	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G0881	RIB04_21-23	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB04_21-23	E1633	375-22-4	NA	Perfluorobutanoic Acid	J
23G0881	RIB04_21-23	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB04_21-23	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB04_21-23	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB04_21-23	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	J
23G0881	RIB04_21-23	SW6010	7429-90-5	NA	Aluminum	J
23G0881	RIB04_21-23	SW6010	7439-89-6	NA	Iron	J
23G0881	RIB04_21-23	SW6010	7439-92-1	NA	Lead	J
23G0881	RIB04_21-23	SW6010	7439-95-4	NA	Magnesium	J
23G0881	RIB04_21-23	SW6010	7439-96-5	NA	Manganese	J
23G0881	RIB04_21-23	SW6010	7440-02-0	NA	Nickel	J
23G0881	RIB04_21-23	SW6010	2023695	NA	Potassium	J
23G0881	RIB04_21-23	SW6010	7440-22-4	NA	Silver	UJ
23G0881	RIB04_21-23	SW6010	7440-28-0	NA	Thallium	J
23G0881	RIB04_21-23	SW6010	7440-36-0	NA	Antimony	UJ
23G0881	RIB04_21-23	SW6010	7440-38-2	NA	Arsenic	J
23G0881	RIB04_21-23	SW6010	7440-39-3	NA	Barium	J
23G0881	RIB04_21-23	SW6010	7440-41-7	NA	Beryllium	J
23G0881	RIB04_21-23	SW6010	7440-47-3	NA	Chromium, Total	J
23G0881	RIB04_21-23	SW6010	7440-48-4	NA	Cobalt	J
23G0881	RIB04_21-23	SW6010	7440-50-8	NA	Copper	J
23G0881	RIB04_21-23	SW6010	7440-66-6	NA	Zinc	J
23G0881	RIB04_21-23	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB04_21-23	SW7196	18540-29-9	NA	Chromium, Hexavalent	UJ
23G0881	RIB04_21-23	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB04_21-23	SW8260	67-64-1	NA	Acetone	J
23G0881	RIB04_21-23	SW8260	79-01-6	NA	Trichloroethylene (TCE)	UJ
23G0881	RIB04_5-6	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0881	RIB04_5-6	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB04_5-6	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G0881	RIB04_5-6	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB04_5-6	E1633	375-22-4	NA	Perfluorobutanoic acid	UJ
23G0881	RIB04_5-6	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB04_5-6	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB04_5-6	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB04_5-6	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB04_5-6	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB04_5-6	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB04_5-6	SW8260	67-64-1	NA	Acetone	J
23G0881	RIB04_5-6	SW8260	79-01-6	NA	Trichloroethylene (TCE)	UJ
23G0881	RIB05_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB05_0-2	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NETFOS)	UJ
23G0881	RIB05_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB05_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB05_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-P)	UJ
23G0881	RIB05_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB05_0-2	E1633	763051-92-9	NA	heicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-P)	UJ
23G0881	RIB05_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB05_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB05_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB05_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
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Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G0881	RIB05_10-12	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB05_10-12	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB05_10-12	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB05_10-12	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB05_10-12	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB05_10-12	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB05_10-12	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIB11_0-2	E1633	2355-31-9	NA	ethyl perfluorooctanesulfonamidoacetic acid (NMeFO)	UJ
23G0881	RIB11_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIB11_0-2	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB11_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB11_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIB11_0-2	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB11_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0881	RIB11_0-2	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB11_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB11_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB11_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB11_0-2	SW8260	67-64-1	NA	Acetone	J
23G0881	RIB11_0-2	SW8260	79-01-6	NA	Trichloroethylene (TCE)	UJ
23G0881	RIB11_20-22	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB11_20-22	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB11_20-22	E1633	375-22-4	NA	Perfluorobutanoic Acid	U(1.4)
23G0881	RIB11_20-22	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB11_20-22	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB11_20-22	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB11_20-22	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB11_20-22	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB11_20-22	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIB11_5-7	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIB11_5-7	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIB11_5-7	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0881	RIB11_5-7	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIB11_5-7	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIB11_5-7	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIB11_5-7	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIB11_5-7	SW8081	72-43-5	NA	Methoxychlor	J
23G0881	RIB11_5-7	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0881	RIB11_5-7	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0881	RIBDUP01_071723	E1633	763051-92-9	NA	icosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-P)	UJ
23G0881	RIBDUP01_071723	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0881	RIBDUP01_071723	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0881	RIBDUP01_071723	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0881	RIBDUP01_071723	E1633	756426-58-1	NA	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-P)	UJ
23G0881	RIBDUP01_071723	SW8260	108-87-2	NA	Methylcyclohexane	J
23G0881	RIBDUP01_071723	E1633	2991-50-6	NA	ethyl perfluorooctanesulfonamidoacetic acid (NEtFOS)	UJ
23G0881	RIBDUP01_071723	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0881	RIBDUP01_071723	SW6010	7782-49-2	NA	Selenium	UJ
23G0881	RIBDUP01_071723	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ



**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1540	RIMW02_072623	SW8260	110-82-7	NA	Cyclohexane	J
23G1540	RIMW02_072623	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1540	RIMW02_072623	SW8260	67-64-1	NA	Acetone	U(2.11)
23G1540	RIMW02_072623	SW8260	75-25-2	NA	Bromoform	UJ
23G1540	RIMW02_072623	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1540	RIMW02_072623	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1540	RIMW02_072623	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1540	RIMW02_072623	SW8270	105-60-2	NA	Caprolactam	UJ
23G1540	RIMW02_072623	E1633	113507-82-7	T	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA	UJ
23G1540	RIMW02_072623	E1633	13252-13-6	T	hexafluoropropylene oxide dimer acid (HFPO-D	UJ
23G1540	RIMW02_072623	E1633	151772-58-6	T	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G1540	RIMW02_072623	E1633	1691-99-2	T	ethyl perfluorooctanesulfonamidoethanol (NEtFO	UJ
23G1540	RIMW02_072623	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1540	RIMW02_072623	E1633	2058-94-8	T	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1540	RIMW02_072623	E1633	2355-31-9	T	yl perfluorooctanesulfonamidoacetic acid (NMe	UJ
23G1540	RIMW02_072623	E1633	24448-09-7	T	thyl perfluorooctanesulfonamidoethanol (NMe	UJ
23G1540	RIMW02_072623	E1633	2706-90-3	T	Perfluoropentanoic Acid (PFPeA)	J
23G1540	RIMW02_072623	E1633	2706-91-4	T	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1540	RIMW02_072623	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	J
23G1540	RIMW02_072623	E1633	2991-50-6	T	yl perfluorooctanesulfonamidoacetic acid (NEtF	UJ
23G1540	RIMW02_072623	E1633	307-24-4	T	Perfluorohexanoic acid (PFHxA)	J
23G1540	RIMW02_072623	E1633	307-55-1	T	Perfluorododecanoic acid (PFDoA)	UJ
23G1540	RIMW02_072623	E1633	31506-32-8	T	methyl perfluorooctanesulfonamide (NMeFOS	UJ
23G1540	RIMW02_072623	E1633	335-67-1	T	Perfluorooctanoic acid (PFOA)	J
23G1540	RIMW02_072623	E1633	335-76-2	T	Perfluorodecanoic acid (PFDA)	UJ
23G1540	RIMW02_072623	E1633	335-77-3	T	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1540	RIMW02_072623	E1633	355-46-4	T	Perfluorohexanesulfonic acid (PFHxS)	J
23G1540	RIMW02_072623	E1633	356-02-5	T	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1540	RIMW02_072623	E1633	375-22-4	T	Perfluorobutanoic Acid	J
23G1540	RIMW02_072623	E1633	375-73-5	T	Perfluorobutanesulfonic acid (PFBS)	J
23G1540	RIMW02_072623	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1540	RIMW02_072623	E1633	375-92-8	T	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1540	RIMW02_072623	E1633	375-95-1	T	Perfluorononanoic acid (PFNA)	J
23G1540	RIMW02_072623	E1633	376-06-7	T	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1540	RIMW02_072623	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1540	RIMW02_072623	E1633	39108-34-4	T	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1540	RIMW02_072623	E1633	4151-50-2	T	N-ethyl perfluorooctanesulfonamide (NEtFOSA	UJ
23G1540	RIMW02_072623	E1633	68259-12-1	T	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1540	RIMW02_072623	E1633	72629-94-8	T	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G1540	RIMW02_072623	E1633	754-91-6	T	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1540	RIMW02_072623	E1633	756426-58-1	T	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9C	UJ
23G1540	RIMW02_072623	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1540	RIMW02_072623	E1633	763051-92-9	T	cosafluoro-3-Oxaundecane-1-Sulfonic Acid (11C	UJ
23G1540	RIMW02_072623	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1540	RIMW02_072623	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1540	RIMW02_072623	E1633	863090-89-5	T	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1540	RIMW02_072623	E1633	914637-49-3	T	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1540	RIMW02_072623	E1633	919005-14-4	T	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1540	RIMW02_072623	SW6010	7429-90-5	D	Aluminum	J
23G1540	RIMW02_072623	SW6010	7439-92-1	D	Lead	J
23G1540	RIMW02_072623	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1540	RIMW02_072623	SW6010	2023695	T	Potassium	J
23G1540	RIMW02_072623	SW8081	319-85-7	NA	Beta Bhc (Beta Hexachlorocyclohexane)	J
23G1540	RIMW02_072623	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1300	RIMW05_072123	SW8260	110-82-7	NA	Cyclohexane	UJ

**Data Usability Summary Report  
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Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1300	RIMW05_072123	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1300	RIMW05_072123	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	J
23G1300	RIMW05_072123	E1633	2991-50-6	T	Perfluorooctanesulfonamidoacetic acid (NETF)	UJ
23G1300	RIMW05_072123	E1633	307-24-4	T	Perfluorohexanoic acid (PFHxA)	J
23G1300	RIMW05_072123	E1633	375-22-4	T	Perfluorobutanoic Acid	UJ
23G1300	RIMW05_072123	E1633	39108-34-4	T	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1300	RIMW05_072123	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1300	RIMW05_072123	SW6020	7440-41-7	T	Beryllium	J
23G1300	RIMW05_072123	SW6020	7782-49-2	T	Selenium	J
23G1300	RIMW05_072123	SW8151	93-72-1	NA	Silvex (2,4,5-TP)	UJ
23G1300	RIMW05_072123	SW8151	93-76-5	NA	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1300	RIMW05_072123	SW8151	94-75-7	NA	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1300	RIMW05_072123	SW8260	75-25-2	NA	Bromoform	UJ
23G1300	RIMW05_072123	SW8270DSIM	62-75-9	NA	N-Nitrosodimethylamine	UJ
23G1300	RIMW05_072123	SW8270DSIM	91-20-3	NA	Naphthalene	J
23G1300	RIMW05_072123	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1300	RIMW05_072123	SW8270DSIM	117-81-7	NA	Bis(2-Ethylhexyl) Phthalate	J
23G1300	RIMW07_072123	SM4500	57-12-5	T	Cyanide	J
23G1300	RIMW07_072123	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1300	RIMW07_072123	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1300	RIMW07_072123	E1633	307-24-4	T	Perfluorohexanoic acid (PFHxA)	J
23G1300	RIMW07_072123	E1633	375-22-4	T	Perfluorobutanoic Acid	UJ
23G1300	RIMW07_072123	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1300	RIMW07_072123	SW6020	7782-49-2	T	Selenium	U(3.91)
23G1300	RIMW07_072123	SW7470	7439-97-6	D	Mercury	UJ
23G1300	RIMW07_072123	SW8270DSIM	62-75-9	NA	N-Nitrosodimethylamine	UJ
23G1300	RIMW07_072123	SW8270DSIM	91-20-3	NA	Naphthalene	J
23G1300	RIMW07_072123	SW8151	93-72-1	NA	Silvex (2,4,5-TP)	UJ
23G1300	RIMW07_072123	SW8151	93-76-5	NA	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1300	RIMW07_072123	SW8151	94-75-7	NA	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1300	RIMW07_072123	SW8260	110-82-7	NA	Cyclohexane	UJ
23G1300	RIMW07_072123	SW8260	75-25-2	NA	Bromoform	UJ
23G1300	RIMW07_072123	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1300	RIMW07_072123	SW8270DSIM	117-81-7	NA	Bis(2-Ethylhexyl) Phthalate	J
23G1703	GWDUP01_072823	SW8270	95-94-3	NA	1,2,4,5-Tetrachlorobenzene	UJ
23G1703	GWDUP01_072823	SW8270	122-66-7	NA	1,2-Diphenylhydrazine	UJ
23G1703	GWDUP01_072823	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1703	GWDUP01_072823	SW8270	58-90-2	NA	2,3,4,6-Tetrachlorophenol	UJ
23G1703	GWDUP01_072823	SW8270	95-95-4	NA	2,4,5-Trichlorophenol	UJ
23G1703	GWDUP01_072823	SW8270	88-06-2	NA	2,4,6-Trichlorophenol	UJ
23G1703	GWDUP01_072823	SW8151	94-75-7	NA	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1703	GWDUP01_072823	SW8270	120-83-2	NA	2,4-Dichlorophenol	UJ
23G1703	GWDUP01_072823	SW8270	105-67-9	NA	2,4-Dimethylphenol	UJ
23G1703	GWDUP01_072823	SW8270	51-28-5	NA	2,4-Dinitrophenol	UJ
23G1703	GWDUP01_072823	SW8270	121-14-2	NA	2,4-Dinitrotoluene	UJ
23G1703	GWDUP01_072823	SW8270	606-20-2	NA	2,6-Dinitrotoluene	UJ
23G1703	GWDUP01_072823	SW8270	91-58-7	NA	2-Chloronaphthalene	UJ
23G1703	GWDUP01_072823	SW8270	95-57-8	NA	2-Chlorophenol	UJ
23G1703	GWDUP01_072823	SW8270	91-57-6	NA	2-Methylnaphthalene	UJ
23G1703	GWDUP01_072823	SW8270	95-48-7	NA	2-Methylphenol (O-Cresol)	UJ
23G1703	GWDUP01_072823	SW8270	88-74-4	NA	2-Nitroaniline	UJ
23G1703	GWDUP01_072823	SW8270	88-75-5	NA	2-Nitrophenol	UJ
23G1703	GWDUP01_072823	SW8270	MEPH3MEPH4	NA	3- And 4- Methylphenol (Total)	UJ
23G1703	GWDUP01_072823	SW8270	91-94-1	NA	3,3'-Dichlorobenzidine	UJ
23G1703	GWDUP01_072823	SW8270	99-09-2	NA	3-Nitroaniline	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Groundwater Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1703	GWDUP01_072823	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1703	GWDUP01_072823	SW8270	534-52-1	NA	4,6-Dinitro-2-Methylphenol	UJ
23G1703	GWDUP01_072823	SW8270	101-55-3	NA	4-Bromophenyl Phenyl Ether	UJ
23G1703	GWDUP01_072823	SW8270	59-50-7	NA	4-Chloro-3-Methylphenol	UJ
23G1703	GWDUP01_072823	SW8270	106-47-8	NA	4-Chloroaniline	UJ
23G1703	GWDUP01_072823	SW8270	7005-72-3	NA	4-Chlorophenyl Phenyl Ether	UJ
23G1703	GWDUP01_072823	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1703	GWDUP01_072823	SW8270	100-02-7	NA	4-Nitrophenol	UJ
23G1703	GWDUP01_072823	SW8151	93-76-5	NA	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1703	GWDUP01_072823	SW8270	98-86-2	NA	Acetophenone	UJ
23G1703	GWDUP01_072823	SW6010	7429-90-5	D	Aluminum	UJ
23G1703	GWDUP01_072823	SW8270	62-53-3	NA	Aniline	UJ
23G1703	GWDUP01_072823	SW8270DSIM	120-12-7	NA	Anthracene	UJ
23G1703	GWDUP01_072823	SW8270	100-52-7	NA	Benzaldehyde	UJ
23G1703	GWDUP01_072823	SW8270	92-87-5	NA	Benzidine	UJ
23G1703	GWDUP01_072823	SW8270DSIM	56-55-3	NA	Benzo(A)Anthracene	UJ
23G1703	GWDUP01_072823	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1703	GWDUP01_072823	SW8270	100-51-6	NA	Benzyl Alcohol	UJ
23G1703	GWDUP01_072823	SW8270	85-68-7	NA	Benzyl Butyl Phthalate	UJ
23G1703	GWDUP01_072823	SW8270	92-52-4	NA	Biphenyl (Diphenyl or 1,1'-Biphenyl)	UJ
23G1703	GWDUP01_072823	SW8270	111-91-1	NA	Bis(2-Chloroethoxy) Methane	UJ
23G1703	GWDUP01_072823	SW8270	111-44-4	NA	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	UJ
23G1703	GWDUP01_072823	SW8270	108-60-1	NA	Bis(2-Chloroisopropyl) Ether	UJ
23G1703	GWDUP01_072823	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1703	GWDUP01_072823	SW8260	75-25-2	NA	Bromoform	UJ
23G1703	GWDUP01_072823	SW8270	105-60-2	NA	Caprolactam	UJ
23G1703	GWDUP01_072823	SW8270	86-74-8	NA	Carbazole	UJ
23G1703	GWDUP01_072823	SW8270DSIM	218-01-9	NA	Chrysene	UJ
23G1703	GWDUP01_072823	SW8260	110-82-7	NA	Cyclohexane	UJ
23G1703	GWDUP01_072823	SW8270	132-64-9	NA	Dibenzofuran	UJ
23G1703	GWDUP01_072823	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1703	GWDUP01_072823	SW8270	84-66-2	NA	Diethyl Phthalate	UJ
23G1703	GWDUP01_072823	SW8270	131-11-3	NA	Dimethyl Phthalate	UJ
23G1703	GWDUP01_072823	SW8270	84-74-2	NA	Di-N-Butyl Phthalate	UJ
23G1703	GWDUP01_072823	SW8270	117-84-0	NA	Di-N-Octylphthalate	UJ
23G1703	GWDUP01_072823	SW8270	122-39-4	NA	Diphenylamine	UJ
23G1703	GWDUP01_072823	SW8270DSIM	206-44-0	NA	Fluoranthene	J
23G1703	RIMW03_072823	SW8270	95-94-3	NA	1,2,4,5-Tetrachlorobenzene	UJ
23G1703	GWDUP01_072823	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1703	GWDUP01_072823	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
23G1703	GWDUP01_072823	SW6010	7439-89-6	T	Iron	J
23G1703	GWDUP01_072823	SW6010	7439-89-6	D	Iron	UJ
23G1703	GWDUP01_072823	SW8270	78-59-1	NA	Isophorone	UJ
23G1703	GWDUP01_072823	SW8270DSIM	91-20-3	NA	Naphthalene	J
23G1703	GWDUP01_072823	SW8270	621-64-7	NA	N-Nitrosodi-N-Propylamine	UJ
23G1703	GWDUP01_072823	SW8270	86-30-6	NA	N-Nitrosodiphenylamine	UJ
23G1703	GWDUP01_072823	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1703	GWDUP01_072823	E1633	375-22-4	T	Perfluorobutanoic Acid	J
23G1703	GWDUP01_072823	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1703	GWDUP01_072823	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1703	GWDUP01_072823	E1633	355-46-4	T	Perfluorohexanesulfonic acid (PFHxS)	J
23G1703	GWDUP01_072823	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1703	GWDUP01_072823	SW8270DSIM	85-01-8	NA	Phenanthrene	J
23G1703	GWDUP01_072823	SW8270	108-95-2	NA	Phenol	UJ
23G1703	GWDUP01_072823	SW8270DSIM	129-00-0	NA	Pyrene	J

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1703	GWDUP01_072823	SW8270	110-86-1	NA	Pyridine	UJ
23G1703	GWDUP01_072823	SW6020	7782-49-2	T	Selenium	J
23G1703	GWDUP01_072823	SW8151	93-72-1	NA	Silvex (2,4,5-TP)	UJ
23G1703	GWDUP01_072823	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1703	GWDUP01_072823	SW6010	7440-66-6	D	Zinc	UJ
23G1703	RIMW03_072823	SW8270	122-66-7	NA	1,2-Diphenylhydrazine	UJ
23G1703	RIMW03_072823	SW8270	58-90-2	NA	2,3,4,6-Tetrachlorophenol	UJ
23G1703	RIMW03_072823	SW8270	95-95-4	NA	2,4,5-Trichlorophenol	UJ
23G1703	RIMW03_072823	SW8270	88-06-2	NA	2,4,6-Trichlorophenol	UJ
23G1703	RIMW03_072823	SW8270	120-83-2	NA	2,4-Dichlorophenol	UJ
23G1703	RIMW03_072823	SW8270	105-67-9	NA	2,4-Dimethylphenol	UJ
23G1703	RIMW03_072823	SW8270	51-28-5	NA	2,4-Dinitrophenol	UJ
23G1703	RIMW03_072823	SW8270	121-14-2	NA	2,4-Dinitrotoluene	UJ
23G1703	RIMW03_072823	SW8270	606-20-2	NA	2,6-Dinitrotoluene	UJ
23G1703	RIMW03_072823	SW8270	91-58-7	NA	2-Chloronaphthalene	UJ
23G1703	RIMW03_072823	SW8270	95-57-8	NA	2-Chlorophenol	UJ
23G1703	RIMW03_072823	SW8270	91-57-6	NA	2-Methylnaphthalene	UJ
23G1703	RIMW03_072823	SW8270	95-48-7	NA	2-Methylphenol (O-Cresol)	UJ
23G1703	RIMW03_072823	SW8270	88-74-4	NA	2-Nitroaniline	UJ
23G1703	RIMW03_072823	SW8270	88-75-5	NA	2-Nitrophenol	UJ
23G1703	RIMW03_072823	SW8270	MEPH3MEPH4	NA	3- And 4- Methylphenol (Total)	UJ
23G1703	RIMW03_072823	SW8270	91-94-1	NA	3,3'-Dichlorobenzidine	UJ
23G1703	RIMW03_072823	SW8270	99-09-2	NA	3-Nitroaniline	UJ
23G1703	RIMW03_072823	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1703	RIMW03_072823	SW8270	534-52-1	NA	4,6-Dinitro-2-Methylphenol	UJ
23G1703	RIMW03_072823	SW8270	101-55-3	NA	4-Bromophenyl Phenyl Ether	UJ
23G1703	RIMW03_072823	SW8270	59-50-7	NA	4-Chloro-3-Methylphenol	UJ
23G1703	RIMW03_072823	SW8270	106-47-8	NA	4-Chloroaniline	UJ
23G1703	RIMW03_072823	SW8270	7005-72-3	NA	4-Chlorophenyl Phenyl Ether	UJ
23G1703	RIMW03_072823	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1703	RIMW03_072823	SW8270	100-02-7	NA	4-Nitrophenol	UJ
23G1703	RIMW03_072823	SW8270	98-86-2	NA	Acetophenone	UJ
23G1703	RIMW03_072823	SW6010	7429-90-5	D	Aluminum	UJ
23G1703	RIMW03_072823	SW8270	62-53-3	NA	Aniline	UJ
23G1703	RIMW03_072823	SW8270DSIM	120-12-7	NA	Anthracene	J
23G1703	RIMW03_072823	SW8270	100-52-7	NA	Benzaldehyde	UJ
23G1703	RIMW03_072823	SW8270	92-87-5	NA	Benzidine	UJ
23G1703	RIMW03_072823	SW8270DSIM	56-55-3	NA	Benzo(A)Anthracene	J
23G1703	RIMW03_072823	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1703	RIMW03_072823	SW8270	100-51-6	NA	Benzyl Alcohol	UJ
23G1703	RIMW03_072823	SW8270	85-68-7	NA	Benzyl Butyl Phthalate	UJ
23G1703	RIMW03_072823	SW8270	92-52-4	NA	Biphenyl (Diphenyl or 1,1'-Biphenyl)	UJ
23G1703	RIMW03_072823	SW8270	111-91-1	NA	Bis(2-Chloroethoxy) Methane	UJ
23G1703	RIMW03_072823	SW8270	111-44-4	NA	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	UJ
23G1703	RIMW03_072823	SW8270	108-60-1	NA	Bis(2-Chloroisopropyl) Ether	UJ
23G1703	RIMW03_072823	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1703	RIMW03_072823	SW8260	75-25-2	NA	Bromoform	UJ
23G1703	RIMW03_072823	SW8270	105-60-2	NA	Caprolactam	UJ
23G1703	RIMW03_072823	SW8270	86-74-8	NA	Carbazole	UJ
23G1703	RIMW03_072823	SW8270DSIM	218-01-9	NA	Chrysene	J
23G1703	RIMW03_072823	SW8260	110-82-7	NA	Cyclohexane	UJ
23G1703	RIMW03_072823	SW8270	132-64-9	NA	Dibenzofuran	UJ
23G1703	RIMW03_072823	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1703	RIMW03_072823	SW8270	84-66-2	NA	Diethyl Phthalate	UJ
23G1703	RIMW03_072823	SW8270	131-11-3	NA	Dimethyl Phthalate	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1703	RIMW03_072823	SW8270	84-74-2	NA	Di-N-Butyl Phthalate	UJ
23G1703	RIMW03_072823	SW8270	117-84-0	NA	Di-N-Octylphthalate	UJ
23G1703	RIMW03_072823	SW8270	122-39-4	NA	Diphenylamine	UJ
23G1703	RIMW03_072823	SW8270DSIM	206-44-0	NA	Fluoranthene	J
23G1703	RIMW03_072823	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1703	RIMW03_072823	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
23G1703	RIMW03_072823	SW6010	7439-89-6	D	Iron	UJ
23G1703	RIMW03_072823	SW6010	7439-89-6	T	Iron	J
23G1703	RIMW03_072823	SW8270	78-59-1	NA	Isophorone	UJ
23G1703	RIMW03_072823	SW8270DSIM	91-20-3	NA	Naphthalene	J
23G1703	RIMW03_072823	SW8270	621-64-7	NA	N-Nitrosodi-N-Propylamine	UJ
23G1703	RIMW03_072823	SW8270	86-30-6	NA	N-Nitrosodiphenylamine	UJ
23G1703	RIMW03_072823	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1703	RIMW03_072823	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1703	RIMW03_072823	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1703	RIMW03_072823	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1703	RIMW03_072823	SW8270DSIM	85-01-8	NA	Phenanthrene	J
23G1703	RIMW03_072823	SW8270	108-95-2	NA	Phenol	UJ
23G1703	RIMW03_072823	SW8270DSIM	129-00-0	NA	Pyrene	J
23G1703	RIMW03_072823	SW8270	110-86-1	NA	Pyridine	UJ
23G1703	RIMW03_072823	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1703	RIMW03_072823	SW6010	7440-66-6	D	Zinc	UJ
23G1703	RIMW04_072823	SW8270	95-94-3	NA	1,2,4,5-Tetrachlorobenzene	UJ
23G1703	RIMW04_072823	SW8270	122-66-7	NA	1,2-Diphenylhydrazine	UJ
23G1703	RIMW04_072823	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1703	RIMW04_072823	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1703	RIMW04_072823	SW8270	58-90-2	NA	2,3,4,6-Tetrachlorophenol	UJ
23G1703	RIMW04_072823	SW8270	95-95-4	NA	2,4,5-Trichlorophenol	UJ
23G1703	RIMW04_072823	SW8270	88-06-2	NA	2,4,6-Trichlorophenol	UJ
23G1703	RIMW04_072823	SW8270	120-83-2	NA	2,4-Dichlorophenol	UJ
23G1703	RIMW04_072823	SW8270	105-67-9	NA	2,4-Dimethylphenol	UJ
23G1703	RIMW04_072823	SW8270	51-28-5	NA	2,4-Dinitrophenol	UJ
23G1703	RIMW04_072823	SW8270	121-14-2	NA	2,4-Dinitrotoluene	UJ
23G1703	RIMW04_072823	SW8270	606-20-2	NA	2,6-Dinitrotoluene	UJ
23G1703	RIMW04_072823	SW8270	91-58-7	NA	2-Chloronaphthalene	UJ
23G1703	RIMW04_072823	SW8270	95-57-8	NA	2-Chlorophenol	UJ
23G1703	RIMW04_072823	SW8270	91-57-6	NA	2-Methylnaphthalene	UJ
23G1703	RIMW04_072823	SW8270	95-48-7	NA	2-Methylphenol (O-Cresol)	UJ
23G1703	RIMW04_072823	SW8270	88-74-4	NA	2-Nitroaniline	UJ
23G1703	RIMW04_072823	SW8270	88-75-5	NA	2-Nitrophenol	UJ
23G1703	RIMW04_072823	SW8270	MEPH3MEPH4	NA	3- And 4- Methylphenol (Total)	UJ
23G1703	RIMW04_072823	SW8270	91-94-1	NA	3,3'-Dichlorobenzidine	UJ
23G1703	RIMW04_072823	SW8270	99-09-2	NA	3-Nitroaniline	UJ
23G1703	RIMW04_072823	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1703	RIMW04_072823	SW8270	534-52-1	NA	4,6-Dinitro-2-Methylphenol	UJ
23G1703	RIMW04_072823	SW8270	101-55-3	NA	4-Bromophenyl Phenyl Ether	UJ
23G1703	RIMW04_072823	SW8270	59-50-7	NA	4-Chloro-3-Methylphenol	UJ
23G1703	RIMW04_072823	SW8270	106-47-8	NA	4-Chloroaniline	UJ
23G1703	RIMW04_072823	SW8270	7005-72-3	NA	4-Chlorophenyl Phenyl Ether	UJ
23G1703	RIMW04_072823	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1703	RIMW04_072823	SW8270	100-02-7	NA	4-Nitrophenol	UJ
23G1703	RIMW04_072823	SW8270	98-86-2	NA	Acetophenone	UJ
23G1703	RIMW04_072823	SW8081	309-00-2	NA	Aldrin	UJ
23G1703	RIMW04_072823	SW8081	319-84-6	NA	Alpha Bhc (Alpha Hexachlorocyclohexane)	UJ
23G1703	RIMW04_072823	SW8081	959-98-8	NA	Alpha Endosulfan	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Groundwater Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1703	RIMW04_072823	SW8270	62-53-3	NA	Aniline	UJ
23G1703	RIMW04_072823	SW8270	100-52-7	NA	Benzaldehyde	UJ
23G1703	RIMW04_072823	SW8270	92-87-5	NA	Benidine	UJ
23G1703	RIMW04_072823	SW8270	65-85-0	NA	Benzoic Acid	UJ
23G1703	RIMW04_072823	SW8270	100-51-6	NA	Benzyl Alcohol	UJ
23G1703	RIMW04_072823	SW8270	85-68-7	NA	Benzyl Butyl Phthalate	UJ
23G1703	RIMW04_072823	SW8081	319-85-7	NA	Beta Bhc (Beta Hexachlorocyclohexane)	UJ
23G1703	RIMW04_072823	SW8081	33213-65-9	NA	Beta Endosulfan	UJ
23G1703	RIMW04_072823	SW8270	92-52-4	NA	Biphenyl (Diphenyl or 1,1'-Biphenyl)	UJ
23G1703	RIMW04_072823	SW8270	111-91-1	NA	Bis(2-Chloroethoxy) Methane	UJ
23G1703	RIMW04_072823	SW8270	111-44-4	NA	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	UJ
23G1703	RIMW04_072823	SW8270	108-60-1	NA	Bis(2-Chloroisopropyl) Ether	UJ
23G1703	RIMW04_072823	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1703	RIMW04_072823	SW8260	75-25-2	NA	Bromoform	UJ
23G1703	RIMW04_072823	SW8270	105-60-2	NA	Caprolactam	UJ
23G1703	RIMW04_072823	SW8270	86-74-8	NA	Carbazole	UJ
23G1703	RIMW04_072823	SW8081	57-74-9	NA	Chlordane	UJ
23G1703	RIMW04_072823	SW8081	5103-71-9	NA	cis-Chlordane	UJ
23G1703	RIMW04_072823	SW8260	110-82-7	NA	Cyclohexane	UJ
23G1703	RIMW04_072823	SW8081	319-86-8	NA	Delta BHC (Delta Hexachlorocyclohexane)	UJ
23G1703	RIMW04_072823	SW8270	132-64-9	NA	Dibenzofuran	UJ
23G1703	RIMW04_072823	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1703	RIMW04_072823	SW8081	60-57-1	NA	Dieldrin	UJ
23G1703	RIMW04_072823	SW8270	84-66-2	NA	Diethyl Phthalate	UJ
23G1703	RIMW04_072823	SW8270	131-11-3	NA	Dimethyl Phthalate	UJ
23G1703	RIMW04_072823	SW8270	84-74-2	NA	Di-N-Butyl Phthalate	UJ
23G1703	RIMW04_072823	SW8270	117-84-0	NA	Di-N-Octylphthalate	UJ
23G1703	RIMW04_072823	SW8270	122-39-4	NA	Diphenylamine	UJ
23G1703	RIMW04_072823	SW8081	1031-07-8	NA	Endosulfan Sulfate	UJ
23G1703	RIMW04_072823	SW8081	72-20-8	NA	Endrin	UJ
23G1703	RIMW04_072823	SW8081	7421-93-4	NA	Endrin Aldehyde	UJ
23G1703	RIMW04_072823	SW8081	53494-70-5	NA	Endrin Ketone	UJ
23G1703	RIMW04_072823	SW8081	58-89-9	NA	Gamma Bhc (Lindane)	UJ
23G1703	RIMW04_072823	SW8081	5566-34-7	NA	gamma-Chlordane	UJ
23G1703	RIMW04_072823	SW8081	76-44-8	NA	Heptachlor	UJ
23G1703	RIMW04_072823	SW8081	1024-57-3	NA	Heptachlor Epoxide	UJ
23G1703	RIMW04_072823	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1703	RIMW04_072823	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
23G1703	RIMW04_072823	SW8270	78-59-1	NA	Isophorone	UJ
23G1703	RIMW04_072823	SW8081	72-43-5	NA	Methoxychlor	UJ
23G1703	RIMW04_072823	SW8270	621-64-7	NA	N-Nitrosodi-N-Propylamine	UJ
23G1703	RIMW04_072823	SW8270	86-30-6	NA	N-Nitrosodiphenylamine	UJ
23G1703	RIMW04_072823	SW8081	72-54-8	NA	P,P'-DDD	UJ
23G1703	RIMW04_072823	SW8081	72-55-9	NA	P,P'-DDE	UJ
23G1703	RIMW04_072823	SW8081	50-29-3	NA	P,P'-DDT	UJ
23G1703	RIMW04_072823	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1703	RIMW04_072823	E1633	375-22-4	T	Perfluorobutanoic Acid	J
23G1703	RIMW04_072823	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1703	RIMW04_072823	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1703	RIMW04_072823	E1633	355-46-4	T	Perfluorohexanesulfonic acid (PFHxS)	J
23G1703	RIMW04_072823	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1703	RIMW04_072823	SW8270	108-95-2	NA	Phenol	UJ
23G1703	RIMW04_072823	SW8270	110-86-1	NA	Pyridine	UJ
23G1703	RIMW04_072823	SW6020	7782-49-2	T	Selenium	J
23G1703	RIMW04_072823	SW8081	8001-35-2	NA	Toxaphene	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**July 2023 Groundwater Samples**  
**Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1703	RIMW04_072823	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1635	RIMW01_072723	SW6010	7429-90-5	T	Aluminum	J
23G1635	RIMW01_072723	E1633	113507-82-7	T	Perfluoro(2-ethoxyethane)sulfonic acid (PFESA)	UJ
23G1635	RIMW01_072723	E1633	13252-13-6	T	hexafluoropropylene oxide dimer acid (HFPO-D)	UJ
23G1635	RIMW01_072723	E1633	151772-58-6	T	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1635	RIMW01_072723	E1633	1691-99-2	T	ethyl perfluorooctanesulfonamidoethanol (NEtFO)	UJ
23G1635	RIMW01_072723	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	J
23G1635	RIMW01_072723	E1633	2058-94-8	T	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1635	RIMW01_072723	E1633	2355-31-9	T	ethyl perfluorooctanesulfonamidoacetic acid (NMe	UJ
23G1635	RIMW01_072723	E1633	24448-09-7	T	ethyl perfluorooctanesulfonamidoethanol (NMe	UJ
23G1635	RIMW01_072723	E1633	2706-90-3	T	Perfluoropentanoic Acid (PFPeA)	J
23G1635	RIMW01_072723	E1633	2706-91-4	T	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1635	RIMW01_072723	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1635	RIMW01_072723	E1633	2991-50-6	T	ethyl perfluorooctanesulfonamidoacetic acid (NEF	UJ
23G1635	RIMW01_072723	E1633	307-24-4	T	Perfluorohexanoic acid (PFHxA)	J
23G1635	RIMW01_072723	E1633	307-55-1	T	Perfluorododecanoic acid (PFDoA)	UJ
23G1635	RIMW01_072723	E1633	31506-32-8	T	dimethyl perfluorooctanesulfonamide (NMeFOS)	UJ
23G1635	RIMW01_072723	E1633	335-67-1	T	Perfluorooctanoic acid (PFOA)	J
23G1635	RIMW01_072723	E1633	335-76-2	T	Perfluorodecanoic acid (PFDA)	J
23G1635	RIMW01_072723	SW8260	10061-01-5	NA	Cis-1,3-Dichloropropene	UJ
23G1635	RIMW01_072723	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1635	RIMW01_072723	SW8260	110-82-7	NA	Cyclohexane	J
23G1635	RIMW01_072723	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1635	RIMW01_072723	E1633	335-77-3	T	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1635	RIMW01_072723	E1633	355-46-4	T	Perfluorohexanesulfonic acid (PFHxS)	J
23G1635	RIMW01_072723	E1633	356-02-5	T	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1635	RIMW01_072723	E1633	375-22-4	T	Perfluorobutanoic Acid	UJ
23G1635	RIMW01_072723	E1633	375-73-5	T	Perfluorobutanesulfonic acid (PFBS)	J
23G1635	RIMW01_072723	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1635	RIMW01_072723	E1633	375-92-8	T	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1635	RIMW01_072723	E1633	375-95-1	T	Perfluorononanoic acid (PFNA)	J
23G1635	RIMW01_072723	E1633	376-06-7	T	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1635	RIMW01_072723	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1635	RIMW01_072723	E1633	39108-34-4	T	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1635	RIMW01_072723	E1633	4151-50-2	T	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1635	RIMW01_072723	E1633	68259-12-1	T	Perfluoronananesulfonic Acid (PFNS)	UJ
23G1635	RIMW01_072723	E1633	72629-94-8	T	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G1635	RIMW01_072723	E1633	754-91-6	T	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1635	RIMW01_072723	E1633	756426-58-1	T	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9C	UJ
23G1635	RIMW01_072723	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1635	RIMW01_072723	E1633	763051-92-9	T	icosafuoro-3-Oxaundecane-1-Sulfonic Acid (11C	UJ
23G1635	RIMW01_072723	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1635	RIMW01_072723	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1635	RIMW01_072723	E1633	863090-89-5	T	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1635	RIMW01_072723	E1633	914637-49-3	T	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1635	RIMW01_072723	E1633	919005-14-4	T	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1635	RIMW01_072723	SW6020	7782-49-2	D	Selenium	J
23G1635	RIMW01_072723	SW8260	67-64-1	NA	Acetone	J
23G1635	RIMW01_072723	SW8260	75-25-2	NA	Bromoform	UJ
23G1635	RIMW01_072723	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1635	RIMW01_072723	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1635	RIMW01_072723	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1635	RIMW01_072723	SW8270	100-51-6	NA	Benzyl Alcohol	UJ
23G1635	RIMW01_072723	SW8270	105-60-2	NA	Caprolactam	UJ
23G1635	RIMW01_072723	SW8270	65-85-0	NA	Benzoic Acid	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
July 2023 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/Dissolved	Analyte	Validator Qualifier
23G1635	RIMW06_072723	SW8260	10061-01-5	NA	Cis-1,3-Dichloropropene	UJ
23G1635	RIMW06_072723	SW8260	10061-02-6	NA	Trans-1,3-Dichloropropene	UJ
23G1635	RIMW06_072723	SW8260	110-82-7	NA	Cyclohexane	UJ
23G1635	RIMW06_072723	SW8260	124-48-1	NA	Dibromochloromethane	UJ
23G1635	RIMW01_072723	SW8270DSIM	91-20-3	NA	Naphthalene	U(0.688)
23G1635	RIMW06_072723	E1633	113507-82-7	T	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G1635	RIMW06_072723	E1633	13252-13-6	T	hexafluoropropylene oxide dimer acid (HFPO-D)	UJ
23G1635	RIMW06_072723	E1633	151772-58-6	T	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G1635	RIMW06_072723	E1633	1691-99-2	T	ethyl perfluorooctanesulfonamidoethanol (NETFO)	UJ
23G1635	RIMW06_072723	E1633	1763-23-1	T	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1635	RIMW06_072723	E1633	2058-94-8	T	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1635	RIMW06_072723	E1633	2355-31-9	T	yl perfluorooctanesulfonamidoacetic acid (NMe)	UJ
23G1635	RIMW06_072723	E1633	24448-09-7	T	thyl perfluorooctanesulfonamidoethanol (NMe)	UJ
23G1635	RIMW06_072723	E1633	2706-90-3	T	Perfluoropentanoic Acid (PFPeA)	J
23G1635	RIMW06_072723	E1633	2706-91-4	T	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1635	RIMW06_072723	E1633	27619-97-2	T	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1635	RIMW06_072723	E1633	2991-50-6	T	yl perfluorooctanesulfonamidoacetic acid (NEtF)	UJ
23G1635	RIMW06_072723	E1633	307-24-4	T	Perfluorohexanoic acid (PFHxA)	J
23G1635	RIMW06_072723	E1633	307-55-1	T	Perfluorododecanoic acid (PFDoA)	UJ
23G1635	RIMW06_072723	E1633	31506-32-8	T	-methyl perfluorooctanesulfonamide (NMeFOS)	UJ
23G1635	RIMW06_072723	E1633	335-67-1	T	Perfluorooctanoic acid (PFOA)	J
23G1635	RIMW06_072723	E1633	335-76-2	T	Perfluorodecanoic acid (PFDA)	UJ
23G1635	RIMW06_072723	E1633	335-77-3	T	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1635	RIMW06_072723	E1633	355-46-4	T	Perfluorohexanesulfonic acid (PFHxS)	J
23G1635	RIMW06_072723	E1633	356-02-5	T	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1635	RIMW06_072723	E1633	375-22-4	T	Perfluorobutanoic Acid	UJ
23G1635	RIMW06_072723	E1633	375-73-5	T	Perfluorobutanesulfonic acid (PFBS)	J
23G1635	RIMW06_072723	E1633	375-85-9	T	Perfluoroheptanoic acid (PFHpA)	J
23G1635	RIMW06_072723	E1633	375-92-8	T	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1635	RIMW06_072723	E1633	375-95-1	T	Perfluorononanoic acid (PFNA)	UJ
23G1635	RIMW06_072723	E1633	376-06-7	T	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1635	RIMW06_072723	E1633	377-73-1	T	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1635	RIMW06_072723	E1633	39108-34-4	T	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1635	RIMW06_072723	E1633	4151-50-2	T	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1635	RIMW06_072723	E1633	68259-12-1	T	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1635	RIMW06_072723	E1633	72629-94-8	T	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1635	RIMW06_072723	E1633	754-91-6	T	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1635	RIMW06_072723	E1633	756426-58-1	T	hexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9C)	UJ
23G1635	RIMW06_072723	E1633	757124-72-4	T	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1635	RIMW06_072723	E1633	763051-92-9	T	posafuoro-3-Oxaundecane-1-Sulfonic Acid (11C)	UJ
23G1635	RIMW06_072723	E1633	79780-39-5	T	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1635	RIMW06_072723	E1633	812-70-4	T	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1635	RIMW06_072723	E1633	863090-89-5	T	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1635	RIMW06_072723	E1633	914637-49-3	T	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1635	RIMW06_072723	E1633	919005-14-4	T	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1635	RIMW06_072723	SW8151	93-72-1	NA	Silvex (2,4,5-TP)	UJ
23G1635	RIMW06_072723	SW8151	93-76-5	NA	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1635	RIMW06_072723	SW8151	94-75-7	NA	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1635	RIMW06_072723	SW8260	67-64-1	NA	Acetone	U(4.02)
23G1635	RIMW06_072723	SW8260	75-25-2	NA	Bromoform	UJ
23G1635	RIMW06_072723	SW8260	75-27-4	NA	Bromodichloromethane	UJ
23G1635	RIMW06_072723	SW8260	87-68-3	NA	Hexachlorobutadiene	UJ
23G1635	RIMW06_072723	SW8270	65-85-0	NA	Benzoic Acid	UJ

**Data Usability Summary Report**  
**For 224 3rd Ave**  
**July 2023 Soil Vapor and Indoor Air Samples**  
**Table 1: Sample Summary**

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Analytical Parameters</b>
23G1402	23G1402-02	IA01_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-04	IA02_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-06	IA03_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-08	IA04_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-10	IA05_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-12	IA06_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-14	IA07_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-01	SSV01_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-07	SSV04_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-03	SSV02_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-05	SSV03_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-09	SSV05_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-11	SSV06_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15
23G1402	23G1402-13	SSV07_072123	7/21/2023	Tier 1	VOCs by USEPA TO-15

**Data Usability Summary Report**  
**For 224 3rd Ave**  
**July 2023 Soil Vapor and Indoor Air Samples**  
**Table 2: Validator-Applied Qualification**

<b>SDG</b>	<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
23G1402	IA01_072123	TO15	591-78-6	2-Hexanone	J
23G1402	IA02_072123	TO15	591-78-6	2-Hexanone	J
23G1402	IA03_072123	TO15	591-78-6	2-Hexanone	J
23G1402	IA05_072123	TO15	591-78-6	2-Hexanone	J
23G1402	IA06_072123	TO15	108-10-1	Methyl Isobutyl Ketone	J
23G1402	IA07_072123	TO15	108-10-1	Methyl Isobutyl Ketone	J
23G1402	IA07_072123	TO15	120-82-1	1,2,4-Trichlorobenzene	U (0.76)
23G1402	SSV01_072123	TO15	67-63-0	Isopropanol	J
23G1402	SSV01_072123	TO15	74-87-3	Chloromethane	J
23G1402	SSV04_072123	TO15	74-87-3	Chloromethane	J
23G1402	SSV04_072123	TO15	75-01-4	Chloromethane	J
23G1402	SSV02_072123	TO15	67-63-0	Chloromethane	J
23G1402	SSV02_072123	TO15	74-87-3	Chloromethane	J
23G1402	SSV03_072123	TO15	100-41-4	Chloromethane	J
23G1402	SSV03_072123	TO15	100-42-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	100-44-7	Chloromethane	UJ
23G1402	SSV03_072123	TO15	10061-01-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	10061-02-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	106-46-7	Chloromethane	UJ
23G1402	SSV03_072123	TO15	106-93-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	106-99-0	Chloromethane	UJ
23G1402	SSV03_072123	TO15	107-05-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	107-06-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	107-13-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	108-05-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	108-10-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	108-67-8	Chloromethane	J
23G1402	SSV03_072123	TO15	108-88-3	Chloromethane	J
23G1402	SSV03_072123	TO15	108-90-7	Chloromethane	UJ
23G1402	SSV03_072123	TO15	109-99-9	Chloromethane	UJ
23G1402	SSV03_072123	TO15	110-54-3	Chloromethane	J
23G1402	SSV03_072123	TO15	110-82-7	Chloromethane	J
23G1402	SSV03_072123	TO15	115-07-1	Chloromethane	J
23G1402	SSV03_072123	TO15	120-82-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	123-91-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	124-48-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	127-18-4	Chloromethane	J
23G1402	SSV03_072123	TO15	141-78-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	142-28-9	Chloromethane	UJ
23G1402	SSV03_072123	TO15	142-82-5	Chloromethane	J
23G1402	SSV03_072123	TO15	156-59-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	156-60-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	1634-04-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	179601-23-1	Chloromethane	J

**Data Usability Summary Report**  
**For 224 3rd Ave**  
**July 2023 Soil Vapor and Indoor Air Samples**  
**Table 2: Validator-Applied Qualification**

<b>SDG</b>	<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
23G1402	SSV03_072123	TO15	541-73-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	56-23-5	Chloromethane	J
23G1402	SSV03_072123	TO15	591-78-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	593-60-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	622-96-8	Chloromethane	J
23G1402	SSV03_072123	TO15	630-20-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	67-63-0	Chloromethane	UJ
23G1402	SSV03_072123	TO15	67-64-1	Chloromethane	J
23G1402	SSV03_072123	TO15	67-66-3	Chloromethane	J
23G1402	SSV03_072123	TO15	71-43-2	Chloromethane	J
23G1402	SSV03_072123	TO15	71-55-6	Chloromethane	J
23G1402	SSV03_072123	TO15	74-83-9	Chloromethane	UJ
23G1402	SSV03_072123	TO15	74-87-3	Chloromethane	J
23G1402	SSV03_072123	TO15	75-00-3	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-01-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-09-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-15-0	Chloromethane	J
23G1402	SSV03_072123	TO15	75-25-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-27-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-34-3	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-35-4	Chloromethane	UJ
23G1402	SSV03_072123	TO15	75-69-4	Chloromethane	J
23G1402	SSV03_072123	TO15	75-71-8	Chloromethane	J
23G1402	SSV03_072123	TO15	76-13-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	76-14-2	Chloromethane	UJ
23G1402	SSV03_072123	TO15	78-87-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	78-93-3	Chloromethane	J
23G1402	SSV03_072123	TO15	79-00-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	79-01-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	79-34-5	Chloromethane	UJ
23G1402	SSV03_072123	TO15	80-62-6	Chloromethane	UJ
23G1402	SSV03_072123	TO15	87-68-3	Chloromethane	UJ
23G1402	SSV03_072123	TO15	91-20-3	Chloromethane	J
23G1402	SSV03_072123	TO15	95-47-6	Chloromethane	J
23G1402	SSV03_072123	TO15	95-50-1	Chloromethane	UJ
23G1402	SSV03_072123	TO15	95-63-6	Chloromethane	J
23G1402	SSV06_072123	TO15	100-41-4	Chloromethane	J
23G1402	SSV06_072123	TO15	100-42-5	Chloromethane	UJ
23G1402	SSV06_072123	TO15	100-44-7	Chloromethane	UJ
23G1402	SSV06_072123	TO15	10061-01-5	Chloromethane	UJ
23G1402	SSV06_072123	TO15	10061-02-6	Chloromethane	UJ
23G1402	SSV06_072123	TO15	106-46-7	Chloromethane	UJ
23G1402	SSV06_072123	TO15	106-93-4	Chloromethane	UJ
23G1402	SSV06_072123	TO15	106-99-0	Chloromethane	UJ

**Data Usability Summary Report**  
**For 224 3rd Ave**  
**July 2023 Soil Vapor and Indoor Air Samples**  
**Table 2: Validator-Applied Qualification**

<b>SDG</b>	<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
23G1402	SSV06_072123	TO15	107-05-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	107-06-2	Chloromethane	UJ
23G1402	SSV06_072123	TO15	107-13-1	Chloromethane	J
23G1402	SSV06_072123	TO15	108-05-4	Chloromethane	UJ
23G1402	SSV06_072123	TO15	108-10-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	108-67-8	Chloromethane	J
23G1402	SSV06_072123	TO15	108-88-3	Chloromethane	J
23G1402	SSV06_072123	TO15	108-90-7	Chloromethane	UJ
23G1402	SSV06_072123	TO15	109-99-9	Chloromethane	UJ
23G1402	SSV06_072123	TO15	110-54-3	Chloromethane	J
23G1402	SSV06_072123	TO15	110-82-7	Chloromethane	J
23G1402	SSV06_072123	TO15	115-07-1	Chloromethane	J
23G1402	SSV06_072123	TO15	120-82-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	123-91-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	124-48-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	127-18-4	Chloromethane	J
23G1402	SSV06_072123	TO15	141-78-6	Chloromethane	UJ
23G1402	SSV06_072123	TO15	142-28-9	Chloromethane	UJ
23G1402	SSV06_072123	TO15	142-82-5	Chloromethane	J
23G1402	SSV06_072123	TO15	156-59-2	Chloromethane	UJ
23G1402	SSV06_072123	TO15	156-60-5	Chloromethane	UJ
23G1402	SSV06_072123	TO15	1634-04-4	Chloromethane	UJ
23G1402	SSV06_072123	TO15	179601-23-1	Chloromethane	J
23G1402	SSV06_072123	TO15	541-73-1	Chloromethane	UJ
23G1402	SSV06_072123	TO15	56-23-5	Chloromethane	J
23G1402	SSV06_072123	TO15	591-78-6	Chloromethane	UJ
23G1402	SSV06_072123	TO15	593-60-2	Chloromethane	UJ
23G1402	SSV06_072123	TO15	622-96-8	Chloromethane	J
23G1402	SSV06_072123	TO15	630-20-6	Chloromethane	UJ
23G1402	SSV06_072123	TO15	67-63-0	Chloromethane	J
23G1402	SSV06_072123	TO15	67-64-1	Chloromethane	J
23G1402	SSV06_072123	TO15	67-66-3	Chloromethane	J
23G1402	SSV06_072123	TO15	71-43-2	Chloromethane	J
23G1402	SSV06_072123	TO15	71-55-6	Chloromethane	J
23G1402	SSV06_072123	TO15	74-83-9	Chloromethane	UJ
23G1402	SSV06_072123	TO15	74-87-3	Chloromethane	J
23G1402	SSV06_072123	TO15	75-00-3	Chloroethane	J
23G1402	SSV06_072123	TO15	75-01-4	Vinyl Chloride	UJ
23G1402	SSV06_072123	TO15	75-09-2	Methylene Chloride	UJ
23G1402	SSV06_072123	TO15	75-15-0	Carbon Disulfide	J
23G1402	SSV06_072123	TO15	75-25-2	Bromoform	UJ
23G1402	SSV06_072123	TO15	75-27-4	Bromodichloromethane	UJ
23G1402	SSV06_072123	TO15	75-34-3	1,1-Dichloroethane	UJ
23G1402	SSV06_072123	TO15	75-35-4	1,1-Dichloroethene	UJ

**Data Usability Summary Report**  
**For 224 3rd Ave**  
**July 2023 Soil Vapor and Indoor Air Samples**  
**Table 2: Validator-Applied Qualification**

<b>SDG</b>	<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
23G1402	SSV06_072123	TO15	75-69-4	Trichlorofluoromethane	J
23G1402	SSV06_072123	TO15	75-71-8	Dichlorodifluoromethane	J
23G1402	SSV06_072123	TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	UJ
23G1402	SSV06_072123	TO15	76-14-2	1,2-Dichlorotetrafluoroethane	UJ
23G1402	SSV06_072123	TO15	78-87-5	1,2-Dichloropropane	UJ
23G1402	SSV06_072123	TO15	78-93-3	Methyl Ethyl Ketone	J
23G1402	SSV06_072123	TO15	79-00-5	1,1,2-Trichloroethane	UJ
23G1402	SSV06_072123	TO15	79-01-6	Trichloroethylene	J
23G1402	SSV06_072123	TO15	79-34-5	1,1,2,2-Tetrachloroethane	UJ
23G1402	SSV06_072123	TO15	80-62-6	Methyl Methacrylate	UJ
23G1402	SSV06_072123	TO15	87-68-3	Hexachlorobutadiene	UJ
23G1402	SSV06_072123	TO15	91-20-3	Naphthalene	J
23G1402	SSV06_072123	TO15	95-47-6	O-Xylene	J
23G1402	SSV06_072123	TO15	95-50-1	1,2-Dichlorobenzene	UJ
23G1402	SSV06_072123	TO15	95-63-6	1,2,4-Trimethylbenzene	J

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Samples  
Langan Project No.: 170758101  
August 24, 2023 Page 1 of 4

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**To:** Albert Tashji, Langan Senior Project Manager  
**From:** Joe Conboy, Langan Senior Staff Chemist  
**Date:** August 24, 2023  
**Re:** Data Usability Summary Report  
For 224 3<sup>rd</sup> Avenue  
August 2021 Soil Samples  
Langan Project No.: 170758101

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This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in August 2021 by Langan Engineering and Environmental Services at 224 3rd Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals by the methods specified below.

- VOCs by SW-846 Method 8260D
- SVOCs by SW-846 Method 8270D
- PCBs by SW-846 Method 8082A
- Metals by SW-846 Method 6010D/7473

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

## Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

# Technical Memorandum

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. 1 SDG 21H0946 underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Samples  
Langan Project No.: 170758101  
August 24, 2023 Page 3 of 4

## **MAJOR DEFICIENCIES:**

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### **SVOCs by SW-846 Method 8270D**

21H0946

The LCS for batch BH11297 exhibited percent recoveries above the UCL for benzaldehyde (776%), caprolactam (930%), atrazine (970%), n-nitrosodimethylamine (143%), benzoic acid (550%), 3,3'-dichlorobenzidine (169%), biphenyl (diphenyl or 1,1'-biphenyl) (778%), and acetophenone (816%). The associated detected results in samples SB20\_1-2, SB21\_6-7, SB22\_9-10, and SB23\_10-11 are qualified as J because of potential high bias. Results that are non-detects require no qualifications.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

### **VOCs by SW-846 Method 8260D**

21H0946

The LCS/LCSD for batch BH11165 exhibited percent recoveries above the UCL for bromomethane (189%, 193%) and chloroethane (156%, 159%). The associated results are non-detect. No qualification is necessary.

### **PCBs by SW-846 Method 8082A**

21H0946

The MS/MSD performed on sample SB22\_9-10 exhibited a percent recovery below the LCL for PCB-1016 (27.3%, 35.3%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Samples  
Langan Project No.: 170758101  
August 24, 2023 Page 4 of 4

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## Metals by SW-846 Method 6010D/7473

21H0946

The MB for batch BH11316 exhibited a detection of calcium (11.2 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

### **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Groundwater Samples  
Langan Project No.: 170758101  
August 24, 2023 Page 1 of 5

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**To:** Albert Tashji, Langan Senior Project Manager  
**From:** Joe Conboy, Langan Senior Staff Chemist  
**Date:** August 24, 2023  
**Re:** Data Usability Summary Report  
For 224 3<sup>rd</sup> Avenue  
August 2021 Groundwater Samples  
Langan Project No.: 170758101

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This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in August 2021 by Langan Engineering and Environmental Services at 224 3rd Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals by the methods specified below.

- VOCs by SW-846 Method 8260D
- SVOCs by SW-846 Method 8270D/8270D SIM
- Metals by SW-846 Method 6010D/6020B/7473/7470

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

## Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

# Technical Memorandum

The following acronyms may be used in the discussion of data-quality issues:

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FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. SDG 21H0945 underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Groundwater Samples  
Langan Project No.: 170758101  
August 24, 2023 Page 3 of 5

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## **MAJOR DEFICIENCIES:**

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### **SVOCs by SW-846 Method 8270D/8270D SIM**

#### 21H0945

The LCS/LCSD for batch BH11199 exhibited percent recoveries and RPDs outside control limits for numerous analytes (ranging between 0% and 218% %, and ranging between 20.1% and 39.1%, respectively). All associated results in sample MW04\_081821 are qualified as J or UJ because of potential bias.

The LCS/LCSD for batch BH11199 (SIM) exhibited a percent recovery below the LCL for n-nitrosodimethylamine (0%). The associated results in sample MW04\_081821 are qualified as UJ because of potential low bias.

### **Metals by SW-846 Method 6010D/6020B/7473/7470**

#### 21H0945

The MB for batch BH11222 exhibited a detection of dissolved selenium (0.00586 mg/l). The associated results in sample MW04\_081821 are qualified as J because of potential blank contamination.

The LCS for batch BH11369 exhibited a percent recovery above the UCL for total sodium (136%). The associated results in sample are qualified as J because of potential high bias.

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
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## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

### **VOCs by SW-846 Method 8260D**

#### 21H0945

The MB for batch BH11442 exhibited a detection of chloromethane (methyl chloride) (0.40 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BH11442 exhibited a percent recovery above the UCL for dichlorodifluoromethane (145%). The associated results are non-detect. No qualification is necessary.

### **SVOCs by SW-846 Method 8270D/8270D SIM**

#### 21H0945

The sample MW04\_081821 exhibited a percent recovery above the UCL for the surrogate terphenyl-d14 (117%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

### **Metals by SW-846 Method 6010D/6020B/7473/7470**

#### 21H0945

The MB for batch BH11369 exhibited a detection of total calcium (0.174 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BH11370 exhibited a detection of dissolved calcium (0.215 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample MW04\_081821 exhibited a percent recovery below the LCL for dissolved iron (24.9%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Groundwater Samples  
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## CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

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**1 University Square Drive Princeton, NJ 08540 T: 609.282.8000**  
**Mailing Address: 1 University Square Drive Princeton, NJ 08540**

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**To:** Albert Tashji, Langan Senior Project Manager

**From:** Joe Conboy, Langan Senior Staff Chemist

**Date:** August 24, 2023

**Re:** Data Usability Summary Report  
For 224 3<sup>rd</sup> Avenue  
August 2021 Soil Vapor and Ambient Air Samples  
Langan Project No.: 170758101

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This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in August 2023 by Langan Engineering and Environmental Services at the 224 3<sup>rd</sup> Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #10854 and 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs

# Technical Memorandum

values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. SDG 21H0957s underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

# Technical Memorandum

Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Vapor and Ambient Air Samples  
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## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

## **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Senior Staff Chemist

**Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Samples  
Table 1: Sample Summary**

Analytical Parameters				VOCs	SVOCs	PCBs	Metals	
SDG	Lab Sample ID	Client ID	Sample Date	SW8260	SW8270	SW8082	SW6010	SW7473
21H0946	21H0946-01	SB20_1-2	2021/08/18	x	x	x	x	x
21H0946	21H0946-02	SB21_6-7	2021/08/18	x	x	x	x	x
21H0946	21H0946-03	SB22_9-10	2021/08/18	x	x	x	x	x
21H0946	21H0946-04	SB23_10-11	2021/08/18	x	x	x	x	x
21H0946	21H0946-06	TRIP BLANK	2021/08/18	x				

**Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Soil Samples  
Table 2: Validator-Applied Qualification**

<b>SDG</b>	<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Total/Dissolved</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
21H0946	SB22_9-10	SW8270	65-85-0	NA	Benzoic Acid	J

**Data Usability Summary Report  
 For 224 3rd Avenue  
 August 2021 Groundwater Samples  
 Table 1: Sample Summary**

Analytical Parameters				VOCs	SVOCs	SVOCs SIM	Metals			
SDG	Lab Sample ID	Client ID	Sample Date	SW8260	SW8270	SW8270DSIM	SW6020	SW6010	SW7470	SW7473
21H0945	21H0945-02	MW04_081821	2021/08/18	x	x	x	x	x	x	x
21H0945	21H0945-04	TRIP BLANK	2021/08/18	x						
21H0945	21H0945-05	TRIP BLANK-2	2021/08/18	x						

**Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
21H0945	MW04_081821	SW8270	100-01-6	NA	4-Nitroaniline	UJ
21H0945	MW04_081821	SW8270	100-02-7	NA	4-Nitrophenol	UJ
21H0945	MW04_081821	SW8270	100-51-6	NA	Benzyl Alcohol	UJ
21H0945	MW04_081821	SW8270	100-52-7	NA	Benzaldehyde	UJ
21H0945	MW04_081821	SW8270	101-55-3	NA	4-Bromophenyl Phenyl Ether	UJ
21H0945	MW04_081821	SW8270	105-60-2	NA	Caprolactam	UJ
21H0945	MW04_081821	SW6010	7440-23-5	T	Sodium	J
21H0945	MW04_081821	SW6020	7782-49-2	D	Selenium	J
21H0945	MW04_081821	SW8270	105-67-9	NA	2,4-Dimethylphenol	UJ
21H0945	MW04_081821	SW8270	106-46-7	NA	1,4-Dichlorobenzene	UJ
21H0945	MW04_081821	SW8270	106-47-8	NA	4-Chloroaniline	UJ
21H0945	MW04_081821	SW8270	108-46-3	NA	Resorcinol	UJ
21H0945	MW04_081821	SW8270	108-60-1	NA	Bis(2-Chloroisopropyl) Ether	UJ
21H0945	MW04_081821	SW8270	108-95-2	NA	Phenol	UJ
21H0945	MW04_081821	SW8270	110-86-1	NA	Pyridine	UJ
21H0945	MW04_081821	SW8270	111-44-4	NA	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	UJ
21H0945	MW04_081821	SW8270	111-91-1	NA	Bis(2-Chloroethoxy) Methane	UJ
21H0945	MW04_081821	SW8270	117-84-0	NA	Di-N-Octylphthalate	UJ
21H0945	MW04_081821	SW8270	120-82-1	NA	1,2,4-Trichlorobenzene	UJ
21H0945	MW04_081821	SW8270	120-83-2	NA	2,4-Dichlorophenol	UJ
21H0945	MW04_081821	SW8270	121-14-2	NA	2,4-Dinitrotoluene	UJ
21H0945	MW04_081821	SW8270	122-39-4	NA	Diphenylamine	UJ
21H0945	MW04_081821	SW8270	122-66-7	NA	1,2-Diphenylhydrazine	UJ
21H0945	MW04_081821	SW8270	131-11-3	NA	Dimethyl Phthalate	UJ
21H0945	MW04_081821	SW8270	1319-77-3	NA	Cresols, Total	UJ
21H0945	MW04_081821	SW8270	132-64-9	NA	Dibenzofuran	UJ
21H0945	MW04_081821	SW8270	2312-35-8	NA	Propargite	UJ
21H0945	MW04_081821	SW8270	51-28-5	NA	2,4-Dinitrophenol	UJ
21H0945	MW04_081821	SW8270	534-52-1	NA	4,6-Dinitro-2-Methylphenol	UJ
21H0945	MW04_081821	SW8270	541-73-1	NA	1,3-Dichlorobenzene	UJ
21H0945	MW04_081821	SW8270	56-38-2	NA	Parathion, Ethyl	UJ
21H0945	MW04_081821	SW8270	58-90-2	NA	2,3,4,6-Tetrachlorophenol	UJ
21H0945	MW04_081821	SW8270	59-50-7	NA	4-Chloro-3-Methylphenol	UJ
21H0945	MW04_081821	SW8270	606-20-2	NA	2,6-Dinitrotoluene	UJ
21H0945	MW04_081821	SW8270	621-64-7	NA	N-Nitrosodi-N-Propylamine	UJ
21H0945	MW04_081821	SW8270	62-53-3	NA	Aniline	UJ
21H0945	MW04_081821	SW8270	65-85-0	NA	Benzoic Acid	UJ
21H0945	MW04_081821	SW8270	7005-72-3	NA	4-Chlorophenyl Phenyl Ether	UJ
21H0945	MW04_081821	SW8270	77-47-4	NA	Hexachlorocyclopentadiene	UJ
21H0945	MW04_081821	SW8270	78-59-1	NA	Isophorone	UJ
21H0945	MW04_081821	SW8270	82-68-8	NA	Pentachloronitrobenzene	UJ
21H0945	MW04_081821	SW8270	84-66-2	NA	Diethyl Phthalate	UJ
21H0945	MW04_081821	SW8270	84-74-2	NA	Di-N-Butyl Phthalate	UJ
21H0945	MW04_081821	SW8270	85-68-7	NA	Benzyl Butyl Phthalate	UJ
21H0945	MW04_081821	SW8270	86-30-6	NA	N-Nitrosodiphenylamine	UJ
21H0945	MW04_081821	SW8270	86-74-8	NA	Carbazole	UJ
21H0945	MW04_081821	SW8270	88-06-2	NA	2,4,6-Trichlorophenol	UJ
21H0945	MW04_081821	SW8270	88-74-4	NA	2-Nitroaniline	UJ
21H0945	MW04_081821	SW8270	88-75-5	NA	2-Nitrophenol	UJ
21H0945	MW04_081821	SW8270	90-12-0	NA	1-Methylnaphthalene	UJ
21H0945	MW04_081821	SW8270	91-57-6	NA	2-Methylnaphthalene	UJ
21H0945	MW04_081821	SW8270	91-58-7	NA	2-Chloronaphthalene	UJ
21H0945	MW04_081821	SW8270	91-94-1	NA	3,3'-Dichlorobenzidine	UJ
21H0945	MW04_081821	SW8270	92-52-4	NA	Biphenyl (Diphenyl or 1,1'-Biphenyl)	UJ

**Data Usability Summary Report  
For 224 3rd Avenue  
August 2021 Groundwater Samples  
Table 2: Validator-Applied Qualification**

SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
21H0945	MW04_081821	SW8270	92-87-5	NA	Benzidine	UJ
21H0945	MW04_081821	SW8270	95-48-7	NA	2-Methylphenol (O-Cresol)	UJ
21H0945	MW04_081821	SW8270	95-50-1	NA	1,2-Dichlorobenzene	UJ
21H0945	MW04_081821	SW8270	95-57-8	NA	2-Chlorophenol	UJ
21H0945	MW04_081821	SW8270	95-94-3	NA	1,2,4,5-Tetrachlorobenzene	UJ
21H0945	MW04_081821	SW8270	95-95-4	NA	2,4,5-Trichlorophenol	UJ
21H0945	MW04_081821	SW8270	98-55-5	NA	Alpha-Terpineol	UJ
21H0945	MW04_081821	SW8270	98-86-2	NA	Acetophenone	UJ
21H0945	MW04_081821	SW8270	99-09-2	NA	3-Nitroaniline	UJ
21H0945	MW04_081821	SW8270	MEPH3MEPH4	NA	3- And 4- Methylphenol (Total)	UJ
21H0945	MW04_081821	SW8270	117-81-7	NA	Bis(2-Ethylhexyl) Phthalate	J
21H0945	MW04_081821	SW8270	118-74-1	NA	Hexachlorobenzene	UJ
21H0945	MW04_081821	SW8270	120-12-7	NA	Anthracene	UJ
21H0945	MW04_081821	SW8270	129-00-0	NA	Pyrene	UJ
21H0945	MW04_081821	SW8270	1912-24-9	NA	Atrazine	UJ
21H0945	MW04_081821	SW8270	191-24-2	NA	Benzo(G,H,I)Perylene	UJ
21H0945	MW04_081821	SW8270	193-39-5	NA	Indeno(1,2,3-C,D)Pyrene	UJ
21H0945	MW04_081821	SW8270	205-99-2	NA	Benzo(B)Fluoranthene	UJ
21H0945	MW04_081821	SW8270	206-44-0	NA	Fluoranthene	UJ
21H0945	MW04_081821	SW8270	207-08-9	NA	Benzo(K)Fluoranthene	UJ
21H0945	MW04_081821	SW8270	208-96-8	NA	Acenaphthylene	UJ
21H0945	MW04_081821	SW8270	218-01-9	NA	Chrysene	UJ
21H0945	MW04_081821	SW8270	50-32-8	NA	Benzo(A)Pyrene	UJ
21H0945	MW04_081821	SW8270	53-70-3	NA	Dibenz(A,H)Anthracene	UJ
21H0945	MW04_081821	SW8270	56-55-3	NA	Benzo(A)Anthracene	UJ
21H0945	MW04_081821	SW8270	62-75-9	NA	N-Nitrosodimethylamine	UJ
21H0945	MW04_081821	SW8270	67-72-1	NA	Hexachloroethane	UJ
21H0945	MW04_081821	SW8270	83-32-9	NA	Acenaphthene	UJ
21H0945	MW04_081821	SW8270	85-01-8	NA	Phenanthrene	UJ
21H0945	MW04_081821	SW8270	86-73-7	NA	Fluorene	J
21H0945	MW04_081821	SW8270	87-68-3	NA	Hexachlorobutadiene	UJ
21H0945	MW04_081821	SW8270	87-86-5	NA	Pentachlorophenol	UJ
21H0945	MW04_081821	SW8270	91-20-3	NA	Naphthalene	UJ
21H0945	MW04_081821	SW8270	98-95-3	NA	Nitrobenzene	UJ
21H0945	MW04_081821	SW8270DSIM	62-75-9	NA	N-Nitrosodimethylamine	UJ

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**August 2021 Soil Vapor and Ambient Air Samples**  
**Table 1: Sample Summary**

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Analytical Parameters</b>
21H0957	21H0957-02	SV04_081821	8/18/2021	Tier 1	VOCs TO-15
21H0957	21H0957-04	AA01_081821	8/18/2021	Tier 1	VOCs TO-15

**Data Usability Summary Report**  
**For 224 3rd Avenue**  
**August 2021 Soil Vapor and Ambient Air Samples**  
**Table 2: Validator-Applied Qualification**

<b>Client Sample ID</b>	<b>Analysis</b>	<b>CAS #</b>	<b>Analyte</b>	<b>Validator Qualifier</b>
No qualifications required.				

**APPENDIX I**

**LABORATORY ANALYTICAL REPORTS**



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 07/26/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G0812

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/26/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G0812

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 14, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G0812-01	RIB12_0-2	Soil	07/14/2023	07/14/2023
23G0812-02	RIB12_10-12	Soil	07/14/2023	07/14/2023
23G0812-03	RIB12_18-20	Soil	07/14/2023	07/14/2023
23G0812-04	RIB09_0-2	Soil	07/14/2023	07/14/2023
23G0812-05	RIB09_15-16.5	Soil	07/14/2023	07/14/2023
23G0812-06	RIFB01_071423	Water	07/14/2023	07/14/2023
23G0812-07	RITB01_071423	Water	07/14/2023	07/14/2023
23G0812-08	ECFB01_071423	Water	07/14/2023	07/14/2023
23G0812-09	RIB09_10-12	Soil	07/14/2023	07/14/2023

## **General Notes for York Project (SDG) No.: 23G0812**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 07/26/2023





### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:35 am	<u>Date Received</u> 07/14/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/18/2023 09:36	07/18/2023 14:36	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/18/2023 09:36	07/18/2023 14:36	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.075	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

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23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
67-64-1	<b>Acetone</b>	<b>0.047</b>	CCVE	mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/18/2023 09:36	07/18/2023 14:36	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/18/2023 09:36	07/18/2023 14:36	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/18/2023 09:36	07/18/2023 14:36	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0615</b>	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.0623</b>	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
120-12-7	<b>Anthracene</b>	<b>0.163</b>		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.666</b>		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:35 am	<u>Date Received</u> 07/14/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.607		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
205-99-2	Benzo(b)fluoranthene	0.747		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
191-24-2	Benzo(g,h,i)perylene	0.408		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
207-08-9	Benzo(k)fluoranthene	0.275		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
86-74-8	Carbazole	0.0583	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
218-01-9	Chrysene	0.690		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
53-70-3	Dibenzo(a,h)anthracene	0.104		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
206-44-0	Fluoranthene	1.30		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

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23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.423</b>		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
85-01-8	<b>Phenanthrene</b>	<b>0.809</b>		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
129-00-0	<b>Pyrene</b>	<b>1.39</b>		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 16:32	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	91.2 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	87.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	100 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.1 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	109 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.5 %	24-116								



Sample Information

Client Sample ID: RIB12\_0-2

York Sample ID: 23G0812-01

York Project (SDG) No.

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170758101

Soil

July 14, 2023 11:35 am

07/14/2023

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for 1,4-Dioxane and Surrogate Recoveries.

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds and their results.



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.183	0.236	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.703	0.898	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.892	0.907	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:13	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.129	0.945	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:13	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.164	0.421	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.228	0.473	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0732	0.473	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.113	0.473	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.185	0.222	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.703	0.886	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.718	0.945	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.367	0.893	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.291	0.884	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.206	0.893	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.200	0.229	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.146	0.227	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.749	1.18	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.48	5.91	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.77	5.91	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.722	2.36	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ



**Sample Information**

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:35 am	<u>Date Received</u> 07/14/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.213	0.236	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.823	2.36	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.234	0.236	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:13	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	88.7 %	25-150
Surrogate: M5PFHxA	126 %	25-150
Surrogate: M4PFHpA	116 %	25-150
Surrogate: M3PFHxS	89.4 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	102 %	25-150
Surrogate: M6PFDA	106 %	25-150
Surrogate: M7PFUdA	105 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	98.0 %	25-150
Surrogate: M2PFTeDA	78.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	107 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	135 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	123 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	118 %	10-150
Surrogate: d3-N-MeFOSAA	130 %	25-150
Surrogate: d5-N-EtFOSAA	155 %	25-150
Surrogate: M2-6:2 FTS	133 %	25-200
Surrogate: M2-8:2 FTS	91.2 %	25-200
Surrogate: M9PFNA	137 %	25-150
Surrogate: M2-4:2 FTS	97.8 %	25-150
Surrogate: d-N-MeFOSA	62.3 %	25-150
Surrogate: d-N-EtFOSA	61.5 %	25-150
Surrogate: M3HFPO-DA	117 %	25-150
Surrogate: d9-N-EtFOSE	68.6 %	25-150
Surrogate: d7-N-MeFOSE	77.7 %	25-150



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:35 am	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/17/2023 08:32	07/18/2023 16:03	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:03	BCJ



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:35 am	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B Certifications:	07/17/2023 08:32	07/18/2023 16:03	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	99.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	78.3 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 01:04	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications:	07/17/2023 08:32	07/18/2023 01:04	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	91.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 17:56	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 17:56	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 17:56	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 78.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10500		mg/kg dry	5.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-36-0	Antimony	2.88		mg/kg dry	2.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-38-2	Arsenic	21.5		mg/kg dry	1.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-39-3	Barium	356		mg/kg dry	2.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-41-7	Beryllium	0.804		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-43-9	Cadmium	0.481		mg/kg dry	0.300	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-70-2	Calcium	20000		mg/kg dry	5.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-47-3	Chromium	23.3		mg/kg dry	0.500	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-48-4	Cobalt	11.4		mg/kg dry	0.400	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-50-8	Copper	113		mg/kg dry	2.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7439-89-6	Iron	12300	M-CCV 1	mg/kg dry	25.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7439-92-1	Lead	1240	M-CCV 1	mg/kg dry	0.500	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7439-95-4	Magnesium	1730	M-CCV 1	mg/kg dry	5.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7439-96-5	Manganese	197		mg/kg dry	0.500	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-02-0	Nickel	27.2		mg/kg dry	0.996	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-09-7	Potassium	1600	B	mg/kg dry	5.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-22-4	Silver	ND		mg/kg dry	0.504	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG



### Sample Information

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:35 am

07/14/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1230	M-CCV 1	mg/kg dry	50.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-28-0	Thallium	5.36	M-CCV 1	mg/kg dry	2.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-62-2	Vanadium	41.6		mg/kg dry	0.996	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG
7440-66-6	Zinc	284		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:33	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	7.02		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/20/2023 14:55	07/20/2023 21:35	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.600	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/20/2023 14:44	07/20/2023 21:52	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.3		mg/kg	0.500	1	Calculation Certifications:	07/24/2023 09:02	07/26/2023 13:33	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.600	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 14:39	07/18/2023 21:35	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB12\_0-2

**York Sample ID:** 23G0812-01

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 11:35 am

Date Received  
07/14/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	83.3		%	0.100	1	SM 2540G	07/17/2023 13:31	07/17/2023 16:37	PMB	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:40 am	<u>Date Received</u> 07/14/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
67-64-1	<b>Acetone</b>	<b>0.029</b>	CCVE	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:13	BMC



Sample Information

Client Sample ID: RIB12\_10-12

York Sample ID: 23G0812-02

York Project (SDG) No. 23G0812

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 14, 2023 11:40 am

Date Received 07/14/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, Methyl tert-butyl ether (MTBE), Methylcyclohexane, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butyl alcohol (TBA), tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane.



### Sample Information

**Client Sample ID:** RIB12\_10-12

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July 14, 2023 11:40 am

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:13	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.5 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.0745</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
120-12-7	<b>Anthracene</b>	<b>0.122</b>		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.502</b>		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

Matrix

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23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.443		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
205-99-2	Benzo(b)fluoranthene	0.546		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
191-24-2	Benzo(g,h,i)perylene	0.260		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
207-08-9	Benzo(k)fluoranthene	0.211		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
218-01-9	Chrysene	0.500		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
53-70-3	Dibenzo(a,h)anthracene	0.0730	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
206-44-0	Fluoranthene	0.937		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.306</b>		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
85-01-8	<b>Phenanthrene</b>	<b>0.572</b>		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
129-00-0	<b>Pyrene</b>	<b>0.942</b>		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:03	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	89.4 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	91.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	97.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.4 %	24-116



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

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Date Received

23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 08:26	07/20/2023 14:59	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	63.1 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.126	0.201	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0603	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.208	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.196	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.190	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.215	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.217	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.225	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.186	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.142	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.117	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.168	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.221	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.124	0.455	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.166	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ





### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

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23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.176	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.217	0.220	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.677	0.865	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.859	0.874	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.124	0.911	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:25	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.158	0.405	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.220	0.455	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0706	0.455	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.109	0.455	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.179	0.214	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.677	0.854	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.692	0.911	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.354	0.861	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.280	0.851	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.198	0.861	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.192	0.221	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.141	0.219	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.722	1.14	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.39	5.69	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.71	5.69	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.695	2.28	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ



**Sample Information**

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.205	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.793	2.28	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.225	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:25	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	100 %	25-150
Surrogate: M5PFHxA	127 %	25-150
Surrogate: M4PFHpA	126 %	25-150
Surrogate: M3PFHxS	107 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	116 %	25-150
Surrogate: M6PFDA	102 %	25-150
Surrogate: M7PFUdA	98.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	98.6 %	25-150
Surrogate: M2PFTeDA	76.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	81.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	93.2 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	125 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	107 %	10-150
Surrogate: d3-N-MeFOSAA	91.2 %	25-150
Surrogate: d5-N-EtFOSAA	124 %	25-150
Surrogate: M2-6:2 FTS	117 %	25-200
Surrogate: M2-8:2 FTS	129 %	25-200
Surrogate: M9PFNA	98.2 %	25-150
Surrogate: M2-4:2 FTS	126 %	25-150
Surrogate: d-N-MeFOSA	66.2 %	25-150
Surrogate: d-N-EtFOSA	58.0 %	25-150
Surrogate: M3HFPO-DA	122 %	25-150
Surrogate: d9-N-EtFOSE	50.3 %	25-150
Surrogate: d7-N-MeFOSE	64.6 %	25-150



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:40 am	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/17/2023 08:32	07/18/2023 16:21	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:32	07/18/2023 16:21	BCJ



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:40 am

07/14/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B	07/17/2023 08:32	07/18/2023 16:21	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	85.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.5 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A	07/17/2023 08:32	07/18/2023 01:17	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0223	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:07	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:07	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:07	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:40 am	<u>Date Received</u> 07/14/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 63.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8400		mg/kg dry	4.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-36-0	Antimony	4.03		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-38-2	Arsenic	9.48		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-39-3	Barium	89.2		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-41-7	Beryllium	0.189		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-43-9	Cadmium	0.294		mg/kg dry	0.286	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-70-2	Calcium	7740		mg/kg dry	4.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-47-3	Chromium	22.6		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-48-4	Cobalt	10.2		mg/kg dry	0.381	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-50-8	Copper	31.0		mg/kg dry	1.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7439-89-6	Iron	15500	M-CCV 1	mg/kg dry	23.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7439-92-1	Lead	140	M-CCV 1	mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7439-95-4	Magnesium	3960	M-CCV 1	mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7439-96-5	Manganese	252		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-02-0	Nickel	35.8		mg/kg dry	0.949	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-09-7	Potassium	1910	B	mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-22-4	Silver	ND		mg/kg dry	0.480	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG



**Sample Information**

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:40 am	<u>Date Received</u> 07/14/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	295	M-CCV 1	mg/kg dry	47.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-28-0	Thallium	8.65	M-CCV 1	mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-62-2	Vanadium	29.1		mg/kg dry	0.949	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG
7440-66-6	Zinc	70.0		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:36	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.229		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/20/2023 14:55	07/20/2023 21:35	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/19/2023 14:40	07/19/2023 22:10	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.6		mg/kg	0.500	1	Calculation Certifications:	07/24/2023 09:02	07/26/2023 13:33	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.571	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 14:39	07/18/2023 21:35	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB12\_10-12

**York Sample ID:** 23G0812-02

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 11:40 am

Date Received  
07/14/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	87.5		%	0.100	1	SM 2540G	07/17/2023 13:31	07/17/2023 16:37	PMB	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0812-03

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 11:45 am	<u>Date Received</u> 07/14/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:39	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:39	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
78-93-3	<b>2-Butanone</b>	<b>0.020</b>	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0812-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:45 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
67-64-1	<b>Acetone</b>	<b>0.064</b>	CCVE	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0812-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:45 am

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 14:39	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0812-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 11:45 am

07/14/2023

**VOA, 8260 MASTER**

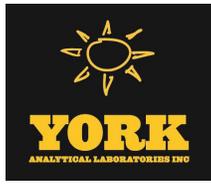
**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 14:39	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 14:39	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %	76-130								





### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:30 pm

Date Received  
07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 15:06	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 15:06	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.089	0.18	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
67-64-1	Acetone	0.034	CCVE	mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:06	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
127-18-4	<b>Tetrachloroethylene</b>	<b>0.017</b>	QL-02	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:06	BMC



Sample Information

Client Sample ID: RIB09\_0-2

York Sample ID: 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

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23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Xylenes, Total and Surrogate Recoveries.

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, etc.



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

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23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
65794-96-9	<b>3- &amp; 4-Methylphenols</b>	<b>0.272</b>		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
83-32-9	<b>Acenaphthene</b>	<b>11.5</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
208-96-8	<b>Acenaphthylene</b>	<b>3.55</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
120-12-7	<b>Anthracene</b>	<b>27.1</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>79.2</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>78.1</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>90.7</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>50.7</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>25.6</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
86-74-8	<b>Carbazole</b>	<b>8.45</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
218-01-9	<b>Chrysene</b>	<b>75.1</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>12.9</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
132-64-9	<b>Dibenzofuran</b>	<b>7.58</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0989	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
206-44-0	<b>Fluoranthene</b>	<b>143</b>		mg/kg dry	4.96	9.89	200	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 15:29	KH
86-73-7	<b>Fluorene</b>	<b>9.81</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>59.0</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
91-20-3	<b>Naphthalene</b>	<b>7.01</b>		mg/kg dry	0.496	0.989	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 13:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
85-01-8	<b>Phenanthrene</b>	<b>158</b>		mg/kg dry	2.48	4.94	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:03	KH
108-95-2	<b>Phenol</b>	<b>0.174</b>	ICVE	mg/kg dry	0.0496	0.0989	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH
129-00-0	<b>Pyrene</b>	<b>145</b>		mg/kg dry	4.96	9.89	200	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 15:29	KH
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 17:34	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	84.8 %
13127-88-3	Surrogate: SURR: Phenol-d6	85.9 %
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	93.4 %
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.1 %
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	105 %
1718-51-0	Surrogate: SURR: Terphenyl-d14	111 %

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**





### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:30 pm	<u>Date Received</u> 07/14/2023
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 08:26	07/20/2023 15:16	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	57.4 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.130	0.208	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.0982</b>	J	ug/kg dry	0.0623	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.210	0.215	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.202	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.196	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.222	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.224	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.233	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.191	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.147	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.121	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.174	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.228	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.128	0.470	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.172	0.235	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.182	0.235	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:30 pm	<u>Date Received</u> 07/14/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.224	0.227	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.699	0.893	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.887	0.902	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.128	0.940	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:37	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.163	0.418	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.227	0.470	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0728	0.470	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.113	0.470	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.184	0.221	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.699	0.881	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.714	0.940	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.365	0.888	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.289	0.879	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.204	0.888	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.199	0.228	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.146	0.226	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.745	1.17	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.46	5.87	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.76	5.87	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.718	2.35	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.211	0.235	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ



**Sample Information**

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:30 pm	<u>Date Received</u> 07/14/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.819	2.35	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.233	0.235	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:37	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	115 %	25-150
Surrogate: M5PFHxA	132 %	25-150
Surrogate: M4PFHpA	108 %	25-150
Surrogate: M3PFHxS	103 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	121 %	25-150
Surrogate: M6PFDA	117 %	25-150
Surrogate: M7PFUdA	91.6 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	81.0 %	25-150
Surrogate: M2PFTeDA	82.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	114 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	147 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	130 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	110 %	10-150
Surrogate: d3-N-MeFOSAA	234 %	25-150
Surrogate: d5-N-EtFOSAA	258 %	25-150
Surrogate: M2-6:2 FTS	449 %	25-200
Surrogate: M2-8:2 FTS	390 %	25-200
Surrogate: M9PFNA	107 %	25-150
Surrogate: M2-4:2 FTS	306 %	25-150
Surrogate: d-N-MeFOSA	69.9 %	25-150
Surrogate: d-N-EtFOSA	73.4 %	25-150
Surrogate: M3HFPO-DA	123 %	25-150
Surrogate: d9-N-EtFOSE	70.7 %	25-150
Surrogate: d7-N-MeFOSE	73.8 %	25-150



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:30 pm	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/17/2023 11:17	07/18/2023 16:57	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
58-89-9	gamma-BHC (Lindane)	ND	P	mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 16:57	BCJ



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:30 pm	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0389	5	EPA 8081B Certifications:	07/17/2023 11:17	07/18/2023 16:57	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	79.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.3 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:12	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	07/17/2023 11:17	07/18/2023 17:12	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	45.5 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0236	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:28	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0236	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:28	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0236	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:28	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 69.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4790		mg/kg dry	4.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-36-0	Antimony	2.53		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-38-2	Arsenic	37.0		mg/kg dry	1.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-39-3	Barium	258		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-41-7	Beryllium	0.210		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-43-9	Cadmium	1.65		mg/kg dry	0.297	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-70-2	Calcium	22200		mg/kg dry	4.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-47-3	Chromium	23.0		mg/kg dry	0.495	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-48-4	Cobalt	6.93		mg/kg dry	0.395	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-50-8	Copper	178		mg/kg dry	1.98	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7439-89-6	Iron	13900	M-CCV 1	mg/kg dry	24.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7439-92-1	Lead	1130	M-CCV 1	mg/kg dry	0.495	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7439-95-4	Magnesium	2240	M-CCV 1	mg/kg dry	4.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7439-96-5	Manganese	223		mg/kg dry	0.495	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-02-0	Nickel	21.8		mg/kg dry	0.985	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-09-7	Potassium	902	B	mg/kg dry	4.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-22-4	Silver	ND		mg/kg dry	0.498	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG



### Sample Information

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:30 pm

07/14/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	500	M-CCV 1	mg/kg dry	49.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-28-0	Thallium	12.7	M-CCV 1	mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-62-2	Vanadium	20.0		mg/kg dry	0.985	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG
7440-66-6	Zinc	554		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:45	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	6.99		mg/kg dry	0.0356	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/20/2023 14:55	07/20/2023 21:35	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.593	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/19/2023 14:40	07/19/2023 22:10	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.0		mg/kg	0.500	1	Calculation Certifications:	07/24/2023 09:02	07/26/2023 13:33	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.36		mg/kg dry	0.593	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 14:49	07/19/2023 21:23	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB09\_0-2

**York Sample ID:** 23G0812-04

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:30 pm

Date Received  
07/14/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.3		%	0.100	1	SM 2540G	07/17/2023 13:31	07/17/2023 16:37	PMB
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:50 pm	<u>Date Received</u> 07/14/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 15:33	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 15:33	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.078	0.16	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0047</b>	J	mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:50 pm

Date Received  
07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
67-64-1	<b>Acetone</b>	<b>0.024</b>	CCVE	mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 15:33	BMC



Sample Information

Client Sample ID: RIB09\_15-16.5

York Sample ID: 23G0812-05

York Project (SDG) No. 23G0812

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 14, 2023 1:50 pm

Date Received 07/14/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, Methyl tert-butyl ether (MTBE), Methylcyclohexane, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butyl alcohol (TBA), tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane.



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:50 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 15:33	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.023	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 15:33	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:50 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
62-53-3	Aniline	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
92-87-5	Benzidine	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.136</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:50 pm	<u>Date Received</u> 07/14/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.120</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.148</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.0758</b>	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.0573</b>	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
218-01-9	<b>Chrysene</b>	<b>0.121</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
206-44-0	<b>Fluoranthene</b>	<b>0.193</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

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170758101

Soil

July 14, 2023 1:50 pm

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0740</b>	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
85-01-8	<b>Phenanthrene</b>	<b>0.134</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
108-95-2	Phenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
129-00-0	<b>Pyrene</b>	<b>0.223</b>		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH
110-86-1	Pyridine	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:06	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	85.6 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	82.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	116 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.2 %	24-116



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

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Soil

July 14, 2023 1:50 pm

07/14/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 08:26	07/20/2023 15:33	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	62.3 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.146	0.232	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0695	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.138	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.235	0.240	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.226	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.219	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.248	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.251	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.214	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.164	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.135	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.194	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.254	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.143	0.525	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.192	0.262	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ





### Sample Information

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170758101

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.203	0.262	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.251	0.253	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.781	0.997	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.990	1.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.143	1.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 17:49	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.182	0.467	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.253	0.525	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0813	0.525	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.126	0.525	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.206	0.247	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.781	0.984	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.798	1.05	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.408	0.992	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.323	0.981	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.228	0.992	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.222	0.254	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.163	0.252	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.832	1.31	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.75	6.56	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.97	6.56	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.802	2.62	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ



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Soil

July 14, 2023 1:50 pm

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.236	0.262	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.914	2.62	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.260	0.262	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 17:49	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	112 %	25-150
Surrogate: M5PFHxA	135 %	25-150
Surrogate: M4PFHpA	132 %	25-150
Surrogate: M3PFHxS	120 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	98.4 %	25-150
Surrogate: M6PFDA	108 %	25-150
Surrogate: M7PFUdA	111 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	107 %	25-150
Surrogate: M2PFTeDA	93.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	109 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	123 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	129 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	111 %	10-150
Surrogate: d3-N-MeFOSAA	145 %	25-150
Surrogate: d5-N-EtFOSAA	186 %	25-150
Surrogate: M2-6:2 FTS	173 %	25-200
Surrogate: M2-8:2 FTS	136 %	25-200
Surrogate: M9PFNA	142 %	25-150
Surrogate: M2-4:2 FTS	118 %	25-150
Surrogate: d-N-MeFOSA	71.9 %	25-150
Surrogate: d-N-EtFOSA	39.8 %	25-150
Surrogate: M3HFPO-DA	127 %	25-150
Surrogate: d9-N-EtFOSE	61.8 %	25-150
Surrogate: d7-N-MeFOSE	75.2 %	25-150



**Sample Information**

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:50 pm	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/17/2023 11:17	07/18/2023 17:15	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.218	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:15	BCJ



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:50 pm	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0437	5	EPA 8081B Certifications:	07/17/2023 11:17	07/18/2023 17:15	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	89.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	91.5 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:25	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0220	1	EPA 8082A Certifications:	07/17/2023 11:17	07/18/2023 17:25	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	74.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:39	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:39	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:19	07/18/2023 18:39	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:50 pm	<u>Date Received</u> 07/14/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 53.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4060		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-38-2	Arsenic	12.5		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-39-3	Barium	162		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-41-7	Beryllium	0.099		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-70-2	Calcium	19500		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-47-3	Chromium	8.23		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-48-4	Cobalt	4.38		mg/kg dry	0.442	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-50-8	Copper	183		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7439-89-6	Iron	6330	M-CCV 1	mg/kg dry	27.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7439-92-1	Lead	237	M-CCV 1	mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7439-95-4	Magnesium	826	M-CCV 1	mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7439-96-5	Manganese	172		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-02-0	Nickel	11.2		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-09-7	Potassium	527	B	mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG



### Sample Information

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:50 pm

07/14/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	547	M-CCV 1	mg/kg dry	55.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-28-0	Thallium	7.43	M-CCV 1	mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-62-2	Vanadium	15.4		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG
7440-66-6	Zinc	241		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:47	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.763		mg/kg dry	0.0398	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/20/2023 14:55	07/20/2023 21:35	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.664	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/19/2023 14:40	07/19/2023 22:10	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	8.23		mg/kg	0.500	1	Calculation Certifications:	07/24/2023 09:02	07/26/2023 13:33	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.664	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 14:49	07/19/2023 21:23	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB09\_15-16.5

**York Sample ID:** 23G0812-05

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:50 pm

Date Received  
07/14/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	75.3		%	0.100	1	SM 2540G	07/17/2023 13:31	07/17/2023 16:37	PMB	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:45 pm	<u>Date Received</u> 07/14/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG





**Sample Information**

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
75-09-2	<b>Methylene chloride</b>	<b>0.550</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 01:31	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 01:31	JTG



Sample Information

Client Sample ID: RIFB01\_071423

York Sample ID: 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various chlorophenols and biphenyls.



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
100-01-6	4-Nitroaniline	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:45 pm	<u>Date Received</u> 07/14/2023
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**SVOA, 8270 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 17:29	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	21.5 %	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	10.5 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	54.8 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	44.2 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	74.1 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	58.2 %	30.7-106

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:45 pm	<u>Date Received</u> 07/14/2023
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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.10</b>		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/17/2023 08:10	07/18/2023 22:32	KH



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 08:10	07/18/2023 22:32	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/19/2023 08:30	07/19/2023 22:54	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.8 %	36.6-118							

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND	P	ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
309-00-2	Aldrin	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00204	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
959-98-8	Endosulfan I	ND	P	ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
33213-65-9	Endosulfan II	ND	P	ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0102	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0102	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0102	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
1024-57-3	Heptachlor epoxide	ND	P	ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00408	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.102	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 13:29	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.204	1	EPA 8081B Certifications:	07/18/2023 08:28	07/18/2023 13:29	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	44.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	45.0 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0510	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 08:28	07/18/2023 18:48	BCJ



### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

York Project (SDG) No.

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23G0812

170758101

Water

July 14, 2023 2:45 pm

07/14/2023

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0510	1	EPA 8082A	07/18/2023 08:28	07/18/2023 18:48	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>					<b>Acceptance Range</b>			
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %					30-120			

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	07/18/2023 09:42	07/18/2023 22:57	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	07/18/2023 09:42	07/18/2023 22:57	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	07/18/2023 09:42	07/18/2023 22:57	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
<b>Surrogate Recoveries</b>		<b>Result</b>					<b>Acceptance Range</b>			
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	40.8 %					30-150			

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7440-70-2	<b>Calcium</b>	<b>0.405</b>		mg/L	0.0556	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7440-47-3	<b>Chromium</b>	<b>0.00583</b>		mg/L	0.00556	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	07/20/2023 16:27	07/25/2023 20:46	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										





### Sample Information

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:45 pm	<u>Date Received</u> 07/14/2023
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**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:27	07/25/2023 20:46	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw
7782-49-2	Selenium	3.16	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 16:36	07/21/2023 16:56	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:34	07/24/2023 12:00	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**



**Sample Information**

**Client Sample ID:** RIFB01\_071423

**York Sample ID:** 23G0812-06

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:45 pm	<u>Date Received</u> 07/14/2023
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/14/2023 19:25	07/14/2023 22:05	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 10:09	07/26/2023 14:41	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 14:44	07/19/2023 21:21	SL



### Sample Information

**Client Sample ID:** RITB01\_071423

**York Sample ID:** 23G0812-07

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 14, 2023 2:50 pm	<u>Date Received</u> 07/14/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG



### Sample Information

**Client Sample ID:** RITB01\_071423

**York Sample ID:** 23G0812-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:50 pm

07/14/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
67-64-1	<b>Acetone</b>	<b>4.43</b>	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG



### Sample Information

**Client Sample ID:** RITB01\_071423

**York Sample ID:** 23G0812-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:50 pm

07/14/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
75-09-2	<b>Methylene chloride</b>	<b>2.38</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/17/2023 06:25	07/18/2023 00:40	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG



**Sample Information**

**Client Sample ID:** RITB01\_071423

**York Sample ID:** 23G0812-07

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 14, 2023 2:50 pm

Date Received  
07/14/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2023 06:25	07/18/2023 00:40	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/17/2023 06:25	07/18/2023 00:40	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	93.3 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.4 %	79-122								



### Sample Information

**Client Sample ID:** ECFB01\_071423

**York Sample ID:** 23G0812-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:55 pm

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.476	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.354	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.719	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.689	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.425	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.830	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.527	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.760	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.891	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.749	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.699	2.03	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.800	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.233	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.891	2.03	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.922	1.93	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.95	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.07	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.08	7.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.334	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ



### Sample Information

**Client Sample ID:** ECFB01\_071423

**York Sample ID:** 23G0812-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:55 pm

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.506	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.17	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.253	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.375	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.770	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.81	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.27	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.709	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
919005-14-4	ADONA	ND		ng/L	0.537	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/17/2023 13:44	07/20/2023 14:00	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.942	1.96	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.871	1.94	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.06	5.06	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.42	25.3	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.59	25.3	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.04	20.3	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.03	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.04	20.3	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.82	2.03	1	EPA 1633 Draft 3 Certifications:	07/17/2023 13:44	07/20/2023 14:00	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

138 %

25-150

Surrogate: M5PFHxA

169 %

25-150

Surrogate: M4PFHpA

166 %

25-150

Surrogate: M3PFHxS

146 %

25-150



### Sample Information

**Client Sample ID:** ECFB01\_071423

**York Sample ID:** 23G0812-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Water

July 14, 2023 2:55 pm

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	147 %			25-150						
	Surrogate: M6PFDA	111 %			25-150						
	Surrogate: M7PFUdA	128 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	108 %			25-150						
	Surrogate: M2PFTeDA	73.0 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	30.1 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	162 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic a	161 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	149 %			10-150						
	Surrogate: d3-N-MeFOSAA	159 %			25-150						
	Surrogate: d5-N-EtFOSAA	155 %			25-150						
	Surrogate: M2-6:2 FTS	160 %			25-200						
	Surrogate: M2-8:2 FTS	145 %			25-200						
	Surrogate: M9PFNA	124 %			25-150						
	Surrogate: M2-4:2 FTS	150 %			25-150						
	Surrogate: d-N-MeFOSA	116 %			25-150						
	Surrogate: d-N-EtFOSA	105 %			25-150						
	Surrogate: M3HFPO-DA	161 %			25-150						
	Surrogate: d9-N-EtFOSE	73.3 %			25-150						
	Surrogate: d7-N-MeFOSE	84.1 %			25-150						





### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:00	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:00	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC





### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
67-64-1	<b>Acetone</b>	<b>0.047</b>	CCVE	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:00	BMC



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:00	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:00	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	<b>1,1-Biphenyl</b>	<b>0.0692</b>	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.282</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:40 pm

Date Received  
07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
83-32-9	<b>Acenaphthene</b>	<b>0.569</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.147</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
120-12-7	<b>Anthracene</b>	<b>1.34</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>2.37</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>1.68</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>2.13</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.894</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.734</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
86-74-8	<b>Carbazole</b>	<b>0.438</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
218-01-9	<b>Chrysene</b>	<b>2.23</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.267</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.443</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
206-44-0	<b>Fluoranthene</b>	<b>5.13</b>		mg/kg dry	0.244	0.487	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:57	KH



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

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23G0812

170758101

Soil

July 14, 2023 1:40 pm

07/14/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.559</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.06</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
91-20-3	<b>Naphthalene</b>	<b>0.541</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
85-01-8	<b>Phenanthrene</b>	<b>5.92</b>		mg/kg dry	0.244	0.487	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:57	KH
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH
129-00-0	<b>Pyrene</b>	<b>4.87</b>		mg/kg dry	0.244	0.487	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/21/2023 14:57	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 08:20	07/20/2023 18:37	KH

	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>
367-12-4	Surrogate: SURR: 2-Fluorophenol	96.2 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	92.1 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	97.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.2 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	124 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.4 %	24-116



**Sample Information**

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

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23G0812

170758101

Soil

July 14, 2023 1:40 pm

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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 08:26	07/20/2023 15:50	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.9 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.129	0.206	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0616	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.208	0.213	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.200	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.194	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.220	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.222	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.230	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.190	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.145	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.120	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.172	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.226	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.127	0.465	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.170	0.233	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

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170758101

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July 14, 2023 1:40 pm

07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.180	0.233	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.222	0.224	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.692	0.884	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.878	0.893	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.127	0.930	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/18/2023 09:18	07/20/2023 18:02	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.162	0.414	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.224	0.465	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0721	0.465	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.112	0.465	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.183	0.219	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.692	0.872	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.707	0.930	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.362	0.879	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.286	0.870	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.202	0.879	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.196	0.226	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.144	0.223	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.737	1.16	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.44	5.81	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.74	5.81	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.710	2.33	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ



**Sample Information**

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

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170758101

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07/14/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.209	0.233	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.810	2.33	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.230	0.233	1	EPA 1633 Draft 3 Certifications:	07/18/2023 09:18	07/20/2023 18:02	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	102 %	25-150
Surrogate: M5PFHxA	121 %	25-150
Surrogate: M4PFHpA	114 %	25-150
Surrogate: M3PFHxS	113 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	97.3 %	25-150
Surrogate: M6PFDA	99.3 %	25-150
Surrogate: M7PFUdA	82.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	78.7 %	25-150
Surrogate: M2PFTeDA	64.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	106 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	111 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	124 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	97.9 %	10-150
Surrogate: d3-N-MeFOSAA	92.0 %	25-150
Surrogate: d5-N-EtFOSAA	110 %	25-150
Surrogate: M2-6:2 FTS	106 %	25-200
Surrogate: M2-8:2 FTS	104 %	25-200
Surrogate: M9PFNA	121 %	25-150
Surrogate: M2-4:2 FTS	120 %	25-150
Surrogate: d-N-MeFOSA	42.5 %	25-150
Surrogate: d-N-EtFOSA	42.4 %	25-150
Surrogate: M3HFPO-DA	123 %	25-150
Surrogate: d9-N-EtFOSE	48.5 %	25-150
Surrogate: d7-N-MeFOSE	59.7 %	25-150



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

<u>York Project (SDG) No.</u> 23G0812	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 14, 2023 1:40 pm	<u>Date Received</u> 07/14/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/17/2023 11:17	07/18/2023 17:33	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/17/2023 11:17	07/18/2023 17:33	BCJ



### Sample Information

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

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Date Received

23G0812

170758101

Soil

July 14, 2023 1:40 pm

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B	07/17/2023 11:17	07/18/2023 17:33	BCJ	
							Certifications:				
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
2051-24-3	Surrogate: Decachlorobiphenyl	88.6 %	30-150								
877-09-8	Surrogate: Tetrachloro-m-xylene	74.0 %	30-150								

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	07/17/2023 11:17	07/18/2023 17:39	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	81.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A	07/17/2023 11:19	07/18/2023 18:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
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Collection Date/Time  
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**HERB. 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 64.8 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6740		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-36-0	Antimony	3.41		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-38-2	Arsenic	10.8		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-39-3	Barium	90.5		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.292	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-70-2	Calcium	4060		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-47-3	Chromium	17.5		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-48-4	Cobalt	7.54		mg/kg dry	0.390	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-50-8	Copper	16.8		mg/kg dry	1.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7439-89-6	Iron	11700	M-CCV 1	mg/kg dry	24.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7439-92-1	Lead	105	M-CCV 1	mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7439-95-4	Magnesium	2720	M-CCV 1	mg/kg dry	4.88	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7439-96-5	Manganese	347		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-02-0	Nickel	27.1		mg/kg dry	0.971	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-09-7	Potassium	1140	B	mg/kg dry	4.88	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-22-4	Silver	ND		mg/kg dry	0.491	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG



**Sample Information**

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.

Client Project ID

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Date Received

23G0812

170758101

Soil

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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	128	M-CCV 1	mg/kg dry	48.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-28-0	Thallium	9.24	M-CCV 1	mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-62-2	Vanadium	21.1		mg/kg dry	0.971	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG
7440-66-6	Zinc	45.9		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 15:03	07/25/2023 19:50	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.365		mg/kg dry	0.0351	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/20/2023 14:55	07/20/2023 21:35	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.585	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/19/2023 14:40	07/19/2023 22:10	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.5		mg/kg	0.500	1	Calculation Certifications:	07/24/2023 09:02	07/26/2023 13:33	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.585	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 14:49	07/19/2023 21:23	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB09\_10-12

**York Sample ID:** 23G0812-09

York Project (SDG) No.  
23G0812

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 14, 2023 1:40 pm

Date Received  
07/14/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	85.5		%	0.100	1	SM 2540G	07/17/2023 13:31	07/17/2023 16:37	PMB	
							Certifications:	CTDOH-PH-0723			



## Analytical Batch Summary

**Batch ID:** BG30798      **Preparation Method:** Analysis Preparation      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/14/23
BG30798-BLK1	Blank	07/14/23
BG30798-BS1	LCS	07/14/23
BG30798-DUP1	Duplicate	07/14/23
BG30798-MS1	Matrix Spike	07/14/23
BG30798-MSD1	Matrix Spike Dup	07/14/23

**Batch ID:** BG30824      **Preparation Method:** EPA 3510C      **Prepared By:** S\_S

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/17/23
BG30824-BLK1	Blank	07/17/23
BG30824-BLK2	Blank	07/17/23
BG30824-BS1	LCS	07/17/23
BG30824-BS2	LCS	07/17/23
BG30824-BSD1	LCS Dup	07/17/23

**Batch ID:** BG30836      **Preparation Method:** EPA 3550C      **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/17/23
23G0812-01	RIB12_0-2	07/17/23
23G0812-02	RIB12_10-12	07/17/23
23G0812-02	RIB12_10-12	07/17/23
BG30836-BLK1	Blank	07/17/23
BG30836-BLK2	Blank	07/17/23
BG30836-BS1	LCS	07/17/23
BG30836-BS2	LCS	07/17/23
BG30836-MS1	Matrix Spike	07/17/23
BG30836-MS2	Matrix Spike	07/17/23
BG30836-MSD1	Matrix Spike Dup	07/17/23
BG30836-MSD2	Matrix Spike Dup	07/17/23

**Batch ID:** BG30847      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/18/23
BG30847-BLK1	Blank	07/18/23
BG30847-BS1	LCS	07/18/23
BG30847-BSD1	LCS Dup	07/18/23

**Batch ID:** BG30849      **Preparation Method:** EPA 5035A      **Prepared By:** BMC



YORK Sample ID	Client Sample ID	Preparation Date
23G0812-02	RIB12_10-12	07/20/23
23G0812-03	RIB12_18-20	07/20/23
23G0812-04	RIB09_0-2	07/20/23
23G0812-05	RIB09_15-16.5	07/20/23
23G0812-09	RIB09_10-12	07/20/23
BG30849-BLK1	Blank	07/20/23
BG30849-BS1	LCS	07/20/23
BG30849-BSD1	LCS Dup	07/20/23

**Batch ID:** BG30876      **Preparation Method:** EPA 3550C      **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-04	RIB09_0-2	07/17/23
23G0812-04	RIB09_0-2	07/17/23
23G0812-05	RIB09_15-16.5	07/17/23
23G0812-05	RIB09_15-16.5	07/17/23
23G0812-09	RIB09_10-12	07/17/23
23G0812-09	RIB09_10-12	07/17/23
BG30876-BLK1	Blank	07/17/23
BG30876-BLK2	Blank	07/17/23
BG30876-BS1	LCS	07/17/23
BG30876-BS2	LCS	07/17/23
BG30876-MS1	Matrix Spike	07/17/23
BG30876-MS2	Matrix Spike	07/17/23
BG30876-MSD1	Matrix Spike Dup	07/17/23
BG30876-MSD2	Matrix Spike Dup	07/17/23

**Batch ID:** BG30877      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/17/23
23G0812-02	RIB12_10-12	07/17/23
23G0812-04	RIB09_0-2	07/17/23
23G0812-05	RIB09_15-16.5	07/17/23
23G0812-09	RIB09_10-12	07/17/23
BG30877-BLK1	Blank	07/17/23
BG30877-BS1	LCS	07/17/23
BG30877-MS1	Matrix Spike	07/17/23
BG30877-MSD1	Matrix Spike Dup	07/17/23

**Batch ID:** BG30886      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/17/23
23G0812-07	RITB01_071423	07/17/23
BG30886-BLK1	Blank	07/17/23
BG30886-BS1	LCS	07/17/23
BG30886-MS1	Matrix Spike	07/17/23



BG30886-MSD1

Matrix Spike Dup

07/17/23

**Batch ID:** BG30890

**Preparation Method:** EPA SW846-3510C Low Level

**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/18/23
23G0812-06	RIFB01_071423	07/18/23
BG30890-BLK1	Blank	07/18/23
BG30890-BLK2	Blank	07/18/23
BG30890-BS1	LCS	07/18/23
BG30890-BS2	LCS	07/18/23
BG30890-BSD1	LCS Dup	07/18/23
BG30890-BSD2	LCS Dup	07/18/23

**Batch ID:** BG30891

**Preparation Method:** % Solids Prep

**Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/17/23
23G0812-02	RIB12_10-12	07/17/23
23G0812-04	RIB09_0-2	07/17/23
23G0812-05	RIB09_15-16.5	07/17/23
23G0812-09	RIB09_10-12	07/17/23
BG30891-DUP1	Duplicate	07/17/23

**Batch ID:** BG30893

**Preparation Method:** EPA 1633 Prep

**Prepared By:** J D

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-08	ECFB01_071423	07/17/23
BG30893-BLK1	Blank	07/17/23
BG30893-BS1	LCS	07/17/23
BG30893-BS2	LCS	07/17/23
BG30893-DUP1	Duplicate	07/17/23

**Batch ID:** BG30943

**Preparation Method:** EPA 1633 Prep

**Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/18/23
23G0812-02	RIB12_10-12	07/18/23
23G0812-04	RIB09_0-2	07/18/23
23G0812-05	RIB09_15-16.5	07/18/23
23G0812-09	RIB09_10-12	07/18/23
BG30943-BLK1	Blank	07/18/23
BG30943-BS1	LCS	07/18/23
BG30943-BS2	LCS	07/18/23
BG30943-DUP1	Duplicate	07/18/23

**Batch ID:** BG30953

**Preparation Method:** EPA 8151A

**Prepared By:** SCB



YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/18/23
BG30953-BLK1	Blank	07/18/23
BG30953-BS1	LCS	07/18/23
BG30953-BSD1	LCS Dup	07/18/23
BG30953-MS1	Matrix Spike	07/18/23
BG30953-MSD1	Matrix Spike Dup	07/18/23

**Batch ID:** BG30970      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/19/23
BG30970-BLK1	Blank	07/19/23
BG30970-BS1	LCS	07/19/23
BG30970-MS1	Matrix Spike	07/19/23
BG30970-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG30983      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/18/23
23G0812-02	RIB12_10-12	07/18/23
BG30983-BLK1	Blank	07/18/23
BG30983-DUP1	Duplicate	07/18/23
BG30983-MS1	Matrix Spike	07/18/23
BG30983-MSD1	Matrix Spike Dup	07/18/23
BG30983-SRM1	Reference	07/18/23

**Batch ID:** BG31072      **Preparation Method:** EPA SW846-3060      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-02	RIB12_10-12	07/19/23
23G0812-04	RIB09_0-2	07/19/23
23G0812-05	RIB09_15-16.5	07/19/23
23G0812-09	RIB09_10-12	07/19/23
BG31072-BLK1	Blank	07/19/23
BG31072-DUP1	Duplicate	07/19/23
BG31072-MS1	Matrix Spike	07/19/23
BG31072-MSD1	Matrix Spike Dup	07/19/23
BG31072-SRM1	Reference	07/19/23

**Batch ID:** BG31075      **Preparation Method:** Analysis Preparation      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/19/23
BG31075-BLK1	Blank	07/19/23
BG31075-BS1	LCS	07/19/23
BG31075-DUP1	Duplicate	07/19/23



BG31075-MS1 Matrix Spike 07/19/23  
 BG31075-MSD1 Matrix Spike Dup 07/19/23

**Batch ID:** BG31077 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-04	RIB09_0-2	07/19/23
23G0812-05	RIB09_15-16.5	07/19/23
23G0812-09	RIB09_10-12	07/19/23
BG31077-BLK1	Blank	07/19/23
BG31077-DUP1	Duplicate	07/19/23
BG31077-MS1	Matrix Spike	07/19/23
BG31077-MSD1	Matrix Spike Dup	07/19/23
BG31077-SRM1	Reference	07/19/23

**Batch ID:** BG31081 **Preparation Method:** EPA 3550C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/20/23
23G0812-02	RIB12_10-12	07/20/23
23G0812-04	RIB09_0-2	07/20/23
23G0812-04RE1	RIB09_0-2	07/20/23
23G0812-04RE2	RIB09_0-2	07/20/23
23G0812-04RE3	RIB09_0-2	07/20/23
23G0812-05	RIB09_15-16.5	07/20/23
23G0812-09	RIB09_10-12	07/20/23
23G0812-09RE1	RIB09_10-12	07/20/23
BG31081-BLK1	Blank	07/20/23
BG31081-BS1	LCS	07/20/23
BG31081-MS1	Matrix Spike	07/20/23
BG31081-MSD1	Matrix Spike Dup	07/20/23

**Batch ID:** BG31106 **Preparation Method:** EPA 3550C **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/20/23
23G0812-02	RIB12_10-12	07/20/23
23G0812-04	RIB09_0-2	07/20/23
23G0812-05	RIB09_15-16.5	07/20/23
23G0812-09	RIB09_10-12	07/20/23
BG31106-BLK1	Blank	07/20/23
BG31106-BS1	LCS	07/20/23
BG31106-MS1	Matrix Spike	07/20/23
BG31106-MSD1	Matrix Spike Dup	07/20/23

**Batch ID:** BG31145 **Preparation Method:** EPA SW846-3060 **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/20/23



BG31145-BLK1	Blank	07/20/23
BG31145-DUP1	Duplicate	07/20/23
BG31145-MS1	Matrix Spike	07/20/23
BG31145-MSD1	Matrix Spike Dup	07/20/23
BG31145-SRM1	Reference	07/20/23

**Batch ID:** BG31148      **Preparation Method:** EPA 7473 soil      **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/20/23
23G0812-02	RIB12_10-12	07/20/23
23G0812-04	RIB09_0-2	07/20/23
23G0812-05	RIB09_15-16.5	07/20/23
23G0812-09	RIB09_10-12	07/20/23
BG31148-BLK1	Blank	07/20/23
BG31148-DUP1	Duplicate	07/20/23
BG31148-MS1	Matrix Spike	07/20/23
BG31148-SRM1	Reference	07/20/23

**Batch ID:** BG31151      **Preparation Method:** EPA 3050B      **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/20/23
23G0812-02	RIB12_10-12	07/20/23
23G0812-04	RIB09_0-2	07/20/23
23G0812-05	RIB09_15-16.5	07/20/23
23G0812-09	RIB09_10-12	07/20/23
BG31151-BLK1	Blank	07/20/23
BG31151-DUP1	Duplicate	07/20/23
BG31151-MS1	Matrix Spike	07/20/23
BG31151-PS1	Post Spike	07/20/23
BG31151-SRM1	Reference	07/20/23

**Batch ID:** BG31163      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/20/23
BG31163-BLK1	Blank	07/20/23
BG31163-BS1	LCS	07/20/23
BG31163-DUP1	Duplicate	07/20/23
BG31163-MS1	Matrix Spike	07/20/23
BG31163-PS1	Post Spike	07/20/23

**Batch ID:** BG31165      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/20/23
BG31165-BLK1	Blank	07/20/23
BG31165-BS1	LCS	07/20/23



BG31165-DUP1 Duplicate 07/20/23  
BG31165-MS1 Matrix Spike 07/20/23

**Batch ID:** BG31285      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/24/23
BG31285-BLK1	Blank	07/24/23
BG31285-BLK2	Blank	07/24/23
BG31285-BS1	LCS	07/24/23
BG31285-BS2	LCS	07/24/23

**Batch ID:** BG31295      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-01	RIB12_0-2	07/24/23
23G0812-02	RIB12_10-12	07/24/23
23G0812-04	RIB09_0-2	07/24/23
23G0812-05	RIB09_15-16.5	07/24/23
23G0812-09	RIB09_10-12	07/24/23

**Batch ID:** BG31306      **Preparation Method:** Analysis Preparation      **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
23G0812-06	RIFB01_071423	07/24/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30847 - EPA 5035A**

Blank (BG30847-BLK1)	Blank	Prepared & Analyzed: 07/18/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30847 - EPA 5035A**

<b>Blank (BG30847-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/18/2023	
n-Butylbenzene	ND	0.0050	mg/kg wet										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<hr/>													
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	50.4		ug/L	50.0		101	77-125						
<i>Surrogate: SURR: Toluene-d8</i>	47.9		"	50.0		95.7	85-120						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	47.3		"	50.0		94.5	76-130						

<b>LCS (BG30847-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/18/2023	
1,1,1,2-Tetrachloroethane	51.2		ug/L	50.0		102	75-129						
1,1,1-Trichloroethane	56.8		"	50.0		114	71-137						
1,1,2,2-Tetrachloroethane	46.4		"	50.0		92.7	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2	58-146						
1,1,2-Trichloroethane	46.9		"	50.0		93.8	83-123						
1,1-Dichloroethane	50.8		"	50.0		102	75-130						
1,1-Dichloroethylene	46.7		"	50.0		93.4	64-137						
1,2,3-Trichlorobenzene	53.3		"	50.0		107	81-140						
1,2,3-Trichloropropane	46.7		"	50.0		93.4	81-126						
1,2,4-Trichlorobenzene	57.3		"	50.0		115	80-141						
1,2,4-Trimethylbenzene	47.1		"	50.0		94.1	84-125						
1,2-Dibromo-3-chloropropane	50.1		"	50.0		100	74-142						
1,2-Dibromoethane	49.7		"	50.0		99.4	86-123						
1,2-Dichlorobenzene	48.6		"	50.0		97.2	85-122						
1,2-Dichloroethane	50.8		"	50.0		102	71-133						
1,2-Dichloropropane	46.9		"	50.0		93.8	81-122						
1,3,5-Trimethylbenzene	47.9		"	50.0		95.8	82-126						
1,3-Dichlorobenzene	48.9		"	50.0		97.7	84-124						
1,4-Dichlorobenzene	49.3		"	50.0		98.5	84-124						
1,4-Dioxane	926		"	1050		88.2	10-228						
2-Butanone	57.6		"	50.0		115	58-147						
2-Hexanone	57.6		"	50.0		115	70-139						
4-Methyl-2-pentanone	54.3		"	50.0		109	72-132						
Acetone	51.7		"	50.0		103	36-155						
Acrolein	92.5		"	50.0		185	10-238						
Acrylonitrile	43.6		"	50.0		87.3	66-141						
Benzene	49.4		"	50.0		98.7	77-127						
Bromochloromethane	53.9		"	50.0		108	74-129						
Bromodichloromethane	46.3		"	50.0		92.6	81-124						



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30847 - EPA 5035A**

LCS (BG30847-BS1)	LCS	Prepared & Analyzed: 07/18/2023									
Bromoform	56.2		ug/L	50.0		112	80-136				
Bromomethane	44.9		"	50.0		89.8	32-177				
Carbon disulfide	42.5		"	50.0		85.0	10-136				
Carbon tetrachloride	59.7		"	50.0		119	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	51.0		"	50.0		102	51-142				
Chloroform	51.7		"	50.0		103	76-131				
Chloromethane	37.4		"	50.0		74.9	49-132				
cis-1,2-Dichloroethylene	53.0		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129				
Cyclohexane	52.1		"	50.0		104	70-130				
Dibromochloromethane	53.3		"	50.0		107	10-200				
Dibromomethane	44.8		"	50.0		89.7	83-124				
Dichlorodifluoromethane	29.0		"	50.0		57.9	28-158				
Ethyl Benzene	48.6		"	50.0		97.2	84-125				
Hexachlorobutadiene	57.5		"	50.0		115	83-133				
Isopropylbenzene	47.8		"	50.0		95.6	81-127				
Methyl acetate	40.3		"	50.0		80.6	41-143				
Methyl tert-butyl ether (MTBE)	45.9		"	50.0		91.9	74-131				
Methylcyclohexane	45.7		"	50.0		91.4	70-130				
Methylene chloride	41.8		"	50.0		83.5	57-141				
n-Butylbenzene	46.8		"	50.0		93.6	80-130				
n-Propylbenzene	46.1		"	50.0		92.3	74-136				
o-Xylene	49.9		"	50.0		99.9	83-123				
p- & m- Xylenes	95.8		"	100		95.8	82-128				
p-Isopropyltoluene	48.0		"	50.0		95.9	85-125				
sec-Butylbenzene	47.4		"	50.0		94.7	83-125				
Styrene	49.2		"	50.0		98.4	86-126				
tert-Butyl alcohol (TBA)	182		"	250		72.7	70-130				
tert-Butylbenzene	48.2		"	50.0		96.4	80-127				
Tetrachloroethylene	41.0		"	50.0		82.0	80-129				
Toluene	46.6		"	50.0		93.1	85-121				
trans-1,2-Dichloroethylene	43.1		"	50.0		86.2	72-132				
trans-1,3-Dichloropropylene	54.9		"	50.0		110	78-132				
Trichloroethylene	46.4		"	50.0		92.7	84-123				
Trichlorofluoromethane	46.9		"	50.0		93.8	62-140				
Vinyl Chloride	44.6		"	50.0		89.1	52-130				
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.4		"	50.0		101	77-125				
Surrogate: SURRE: Toluene-d8	47.5		"	50.0		95.0	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.7		"	50.0		97.3	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30847 - EPA 5035A</b>											
<b>LCS Dup (BG30847-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/18/2023		
1,1,1,2-Tetrachloroethane	48.0		ug/L	50.0		96.0	75-129		6.35	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		5.90	30	
1,1,2,2-Tetrachloroethane	45.3		"	50.0		90.6	79-129		2.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.5		"	50.0		94.9	58-146		4.41	30	
1,1,2-Trichloroethane	44.2		"	50.0		88.4	83-123		5.84	30	
1,1-Dichloroethane	48.3		"	50.0		96.6	75-130		5.14	30	
1,1-Dichloroethylene	45.4		"	50.0		90.8	64-137		2.80	30	
1,2,3-Trichlorobenzene	51.8		"	50.0		104	81-140		2.72	30	
1,2,3-Trichloropropane	45.2		"	50.0		90.5	81-126		3.11	30	
1,2,4-Trichlorobenzene	53.7		"	50.0		107	80-141		6.52	30	
1,2,4-Trimethylbenzene	43.9		"	50.0		87.7	84-125		7.02	30	
1,2-Dibromo-3-chloropropane	49.0		"	50.0		97.9	74-142		2.32	30	
1,2-Dibromoethane	47.5		"	50.0		94.9	86-123		4.63	30	
1,2-Dichlorobenzene	46.5		"	50.0		93.0	85-122		4.46	30	
1,2-Dichloroethane	49.2		"	50.0		98.4	71-133		3.22	30	
1,2-Dichloropropane	43.5		"	50.0		86.9	81-122		7.59	30	
1,3,5-Trimethylbenzene	44.2		"	50.0		88.3	82-126		8.15	30	
1,3-Dichlorobenzene	45.8		"	50.0		91.6	84-124		6.49	30	
1,4-Dichlorobenzene	46.4		"	50.0		92.7	84-124		6.04	30	
1,4-Dioxane	916		"	1050		87.2	10-228		1.17	30	
2-Butanone	59.2		"	50.0		118	58-147		2.86	30	
2-Hexanone	58.0		"	50.0		116	70-139		0.588	30	
4-Methyl-2-pentanone	53.1		"	50.0		106	72-132		2.29	30	
Acetone	61.6		"	50.0		123	36-155		17.5	30	
Acrolein	96.5		"	50.0		193	10-238		4.21	30	
Acrylonitrile	56.1		"	50.0		112	66-141		24.9	30	
Benzene	47.2		"	50.0		94.5	77-127		4.39	30	
Bromochloromethane	51.2		"	50.0		102	74-129		5.14	30	
Bromodichloromethane	44.0		"	50.0		87.9	81-124		5.16	30	
Bromoform	52.7		"	50.0		105	80-136		6.37	30	
Bromomethane	43.8		"	50.0		87.6	32-177		2.46	30	
Carbon disulfide	47.3		"	50.0		94.7	10-136		10.8	30	
Carbon tetrachloride	56.0		"	50.0		112	66-143		6.39	30	
Chlorobenzene	47.9		"	50.0		95.8	86-120		6.13	30	
Chloroethane	46.3		"	50.0		92.7	51-142		9.64	30	
Chloroform	48.7		"	50.0		97.4	76-131		6.04	30	
Chloromethane	36.4		"	50.0		72.8	49-132		2.84	30	
cis-1,2-Dichloroethylene	49.2		"	50.0		98.4	74-132		7.40	30	
cis-1,3-Dichloropropylene	48.4		"	50.0		96.7	81-129		6.11	30	
Cyclohexane	48.6		"	50.0		97.2	70-130		7.01	30	
Dibromochloromethane	50.8		"	50.0		102	10-200		4.94	30	
Dibromomethane	42.5		"	50.0		84.9	83-124		5.41	30	
Dichlorodifluoromethane	26.4		"	50.0		52.7	28-158		9.40	30	
Ethyl Benzene	44.8		"	50.0		89.6	84-125		8.18	30	
Hexachlorobutadiene	54.4		"	50.0		109	83-133		5.54	30	
Isopropylbenzene	44.4		"	50.0		88.7	81-127		7.46	30	
Methyl acetate	52.4		"	50.0		105	41-143		26.1	30	
Methyl tert-butyl ether (MTBE)	53.6		"	50.0		107	74-131		15.4	30	
Methylcyclohexane	42.4		"	50.0		84.7	70-130		7.61	30	
Methylene chloride	50.5		"	50.0		101	57-141		19.0	30	
n-Butylbenzene	43.2		"	50.0		86.4	80-130		8.04	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30847 - EPA 5035A</b>											
<b>LCS Dup (BG30847-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/18/2023									
n-Propylbenzene	42.7		ug/L	50.0		85.3	74-136		7.82	30	
o-Xylene	46.1		"	50.0		92.2	83-123		8.02	30	
p- & m- Xylenes	89.4		"	100		89.4	82-128		6.99	30	
p-Isopropyltoluene	44.4		"	50.0		88.7	85-125		7.78	30	
sec-Butylbenzene	43.8		"	50.0		87.7	83-125		7.72	30	
Styrene	46.2		"	50.0		92.3	86-126		6.38	30	
tert-Butyl alcohol (TBA)	232		"	250		92.9	70-130		24.4	30	
tert-Butylbenzene	45.0		"	50.0		90.1	80-127		6.80	30	
Tetrachloroethylene	37.5		"	50.0		75.1	80-129	Low Bias	8.76	30	
Toluene	43.1		"	50.0		86.3	85-121		7.65	30	
trans-1,2-Dichloroethylene	49.2		"	50.0		98.5	72-132		13.3	30	
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132		5.12	30	
Trichloroethylene	42.4		"	50.0		84.8	84-123		8.94	30	
Trichlorofluoromethane	44.4		"	50.0		88.8	62-140		5.43	30	
Vinyl Chloride	41.1		"	50.0		82.2	52-130		8.05	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.8</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>46.9</i>		<i>"</i>	<i>50.0</i>		<i>93.8</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>76-130</i>				

<b>Batch BG30849 - EPA 5035A</b>											
<b>Blank (BG30849-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/20/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30849 - EPA 5035A**

Blank (BG30849-BLK1)	Blank	Prepared & Analyzed: 07/20/2023									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	51.5		ug/L	50.0		103	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	50.3		"	50.0		101	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	58.4		"	50.0		117	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30849 - EPA 5035A

LCS (BG30849-BS1)	LCS	Prepared & Analyzed: 07/20/2023									
1,1,1,2-Tetrachloroethane	45.4		ug/L	50.0		90.7	75-129				
1,1,1-Trichloroethane	47.6		"	50.0		95.2	71-137				
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.4		"	50.0		92.9	58-146				
1,1,2-Trichloroethane	45.5		"	50.0		90.9	83-123				
1,1-Dichloroethane	45.5		"	50.0		91.0	75-130				
1,1-Dichloroethylene	47.2		"	50.0		94.5	64-137				
1,2,3-Trichlorobenzene	47.6		"	50.0		95.2	81-140				
1,2,3-Trichloropropane	47.7		"	50.0		95.4	81-126				
1,2,4-Trichlorobenzene	47.6		"	50.0		95.3	80-141				
1,2,4-Trimethylbenzene	47.8		"	50.0		95.5	84-125				
1,2-Dibromo-3-chloropropane	48.8		"	50.0		97.5	74-142				
1,2-Dibromoethane	46.4		"	50.0		92.9	86-123				
1,2-Dichlorobenzene	45.5		"	50.0		91.0	85-122				
1,2-Dichloroethane	45.0		"	50.0		89.9	71-133				
1,2-Dichloropropane	45.0		"	50.0		90.1	81-122				
1,3,5-Trimethylbenzene	48.3		"	50.0		96.5	82-126				
1,3-Dichlorobenzene	45.7		"	50.0		91.4	84-124				
1,4-Dichlorobenzene	45.4		"	50.0		90.8	84-124				
1,4-Dioxane	882		"	1050		84.0	10-228				
2-Butanone	57.7		"	50.0		115	58-147				
2-Hexanone	49.9		"	50.0		99.8	70-139				
4-Methyl-2-pentanone	37.3		"	50.0		74.6	72-132				
Acetone	45.3		"	50.0		90.5	36-155				
Acrolein	45.7		"	50.0		91.4	10-238				
Acrylonitrile	48.0		"	50.0		96.0	66-141				
Benzene	46.9		"	50.0		93.8	77-127				
Bromochloromethane	44.7		"	50.0		89.5	74-129				
Bromodichloromethane	44.1		"	50.0		88.2	81-124				
Bromoform	47.7		"	50.0		95.4	80-136				
Bromomethane	50.8		"	50.0		102	32-177				
Carbon disulfide	48.8		"	50.0		97.7	10-136				
Carbon tetrachloride	47.0		"	50.0		93.9	66-143				
Chlorobenzene	45.2		"	50.0		90.4	86-120				
Chloroethane	48.9		"	50.0		97.9	51-142				
Chloroform	45.4		"	50.0		90.8	76-131				
Chloromethane	46.6		"	50.0		93.2	49-132				
cis-1,2-Dichloroethylene	46.6		"	50.0		93.3	74-132				
cis-1,3-Dichloropropylene	46.2		"	50.0		92.4	81-129				
Cyclohexane	47.7		"	50.0		95.4	70-130				
Dibromochloromethane	46.5		"	50.0		93.1	10-200				
Dibromomethane	44.0		"	50.0		88.1	83-124				
Dichlorodifluoromethane	50.8		"	50.0		102	28-158				
Ethyl Benzene	46.6		"	50.0		93.2	84-125				
Hexachlorobutadiene	45.0		"	50.0		90.0	83-133				
Isopropylbenzene	45.8		"	50.0		91.6	81-127				
Methyl acetate	43.0		"	50.0		86.1	41-143				
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.7	74-131				
Methylcyclohexane	45.2		"	50.0		90.5	70-130				
Methylene chloride	45.0		"	50.0		90.0	57-141				
n-Butylbenzene	46.8		"	50.0		93.5	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30849 - EPA 5035A</b>												
<b>LCS (BG30849-BS1)</b>	<b>LCS</b>							Prepared & Analyzed: 07/20/2023				
n-Propylbenzene	45.0		ug/L	50.0		90.0	74-136					
o-Xylene	45.0		"	50.0		89.9	83-123					
p- & m- Xylenes	91.0		"	100		91.0	82-128					
p-Isopropyltoluene	47.4		"	50.0		94.8	85-125					
sec-Butylbenzene	45.1		"	50.0		90.2	83-125					
Styrene	45.2		"	50.0		90.4	86-126					
tert-Butyl alcohol (TBA)	272		"	250		109	70-130					
tert-Butylbenzene	39.4		"	50.0		78.9	80-127	Low Bias				
Tetrachloroethylene	37.9		"	50.0		75.7	80-129	Low Bias				
Toluene	46.0		"	50.0		92.1	85-121					
trans-1,2-Dichloroethylene	46.5		"	50.0		93.0	72-132					
trans-1,3-Dichloropropylene	48.7		"	50.0		97.4	78-132					
Trichloroethylene	44.5		"	50.0		88.9	84-123					
Trichlorofluoromethane	48.0		"	50.0		96.0	62-140					
Vinyl Chloride	48.7		"	50.0		97.3	52-130					
Surrogate: SURR: 1,2-Dichloroethane-d4	51.2		"	50.0		102	77-125					
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.2	85-120					
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		99.9	76-130					
<b>LCS Dup (BG30849-BSD1)</b>	<b>LCS Dup</b>							Prepared & Analyzed: 07/20/2023				
1,1,1,2-Tetrachloroethane	47.1		ug/L	50.0		94.1	75-129		3.70		30	
1,1,1-Trichloroethane	49.6		"	50.0		99.2	71-137		4.18		30	
1,1,2,2-Tetrachloroethane	49.3		"	50.0		98.5	79-129		3.34		30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.4		"	50.0		101	58-146		8.12		30	
1,1,2-Trichloroethane	46.6		"	50.0		93.1	83-123		2.35		30	
1,1-Dichloroethane	46.6		"	50.0		93.1	75-130		2.30		30	
1,1-Dichloroethylene	50.2		"	50.0		100	64-137		6.12		30	
1,2,3-Trichlorobenzene	49.6		"	50.0		99.3	81-140		4.17		30	
1,2,3-Trichloropropane	47.5		"	50.0		94.9	81-126		0.462		30	
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141		4.83		30	
1,2,4-Trimethylbenzene	49.8		"	50.0		99.7	84-125		4.26		30	
1,2-Dibromo-3-chloropropane	49.7		"	50.0		99.3	74-142		1.85		30	
1,2-Dibromoethane	47.4		"	50.0		94.8	86-123		2.11		30	
1,2-Dichlorobenzene	47.3		"	50.0		94.6	85-122		3.82		30	
1,2-Dichloroethane	47.6		"	50.0		95.1	71-133		5.62		30	
1,2-Dichloropropane	47.3		"	50.0		94.5	81-122		4.83		30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		4.20		30	
1,3-Dichlorobenzene	48.1		"	50.0		96.3	84-124		5.16		30	
1,4-Dichlorobenzene	47.7		"	50.0		95.4	84-124		5.03		30	
1,4-Dioxane	889		"	1050		84.7	10-228		0.793		30	
2-Butanone	55.4		"	50.0		111	58-147		4.14		30	
2-Hexanone	50.1		"	50.0		100	70-139		0.440		30	
4-Methyl-2-pentanone	37.6		"	50.0		75.2	72-132		0.748		30	
Acetone	44.1		"	50.0		88.1	36-155		2.69		30	
Acrolein	47.1		"	50.0		94.1	10-238		2.95		30	
Acrylonitrile	47.9		"	50.0		95.8	66-141		0.167		30	
Benzene	48.9		"	50.0		97.9	77-127		4.19		30	
Bromochloromethane	46.5		"	50.0		93.1	74-129		3.94		30	
Bromodichloromethane	46.8		"	50.0		93.5	81-124		5.92		30	
Bromoform	48.4		"	50.0		96.8	80-136		1.46		30	
Bromomethane	51.2		"	50.0		102	32-177		0.765		30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30849 - EPA 5035A</b>											
<b>LCS Dup (BG30849-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/20/2023									
Carbon disulfide	50.9		ug/L	50.0		102	10-136		4.11	30	
Carbon tetrachloride	48.1		"	50.0		96.2	66-143		2.46	30	
Chlorobenzene	47.4		"	50.0		94.8	86-120		4.75	30	
Chloroethane	51.5		"	50.0		103	51-142		5.18	30	
Chloroform	46.8		"	50.0		93.6	76-131		3.06	30	
Chloromethane	47.3		"	50.0		94.6	49-132		1.45	30	
cis-1,2-Dichloroethylene	48.4		"	50.0		96.7	74-132		3.66	30	
cis-1,3-Dichloropropylene	48.5		"	50.0		96.9	81-129		4.75	30	
Cyclohexane	50.4		"	50.0		101	70-130		5.48	30	
Dibromochloromethane	48.5		"	50.0		97.0	10-200		4.10	30	
Dibromomethane	45.1		"	50.0		90.2	83-124		2.31	30	
Dichlorodifluoromethane	53.9		"	50.0		108	28-158		5.98	30	
Ethyl Benzene	48.9		"	50.0		97.9	84-125		4.92	30	
Hexachlorobutadiene	47.9		"	50.0		95.9	83-133		6.37	30	
Isopropylbenzene	47.1		"	50.0		94.2	81-127		2.88	30	
Methyl acetate	42.6		"	50.0		85.2	41-143		1.10	30	
Methyl tert-butyl ether (MTBE)	49.6		"	50.0		99.2	74-131		6.79	30	
Methylcyclohexane	47.1		"	50.0		94.2	70-130		4.05	30	
Methylene chloride	46.5		"	50.0		93.1	57-141		3.30	30	
n-Butylbenzene	48.5		"	50.0		96.9	80-130		3.61	30	
n-Propylbenzene	46.8		"	50.0		93.5	74-136		3.84	30	
o-Xylene	47.0		"	50.0		94.0	83-123		4.46	30	
p- & m- Xylenes	95.4		"	100		95.4	82-128		4.70	30	
p-Isopropyltoluene	49.4		"	50.0		98.7	85-125		4.03	30	
sec-Butylbenzene	46.8		"	50.0		93.7	83-125		3.83	30	
Styrene	47.2		"	50.0		94.5	86-126		4.41	30	
tert-Butyl alcohol (TBA)	274		"	250		110	70-130		0.865	30	
tert-Butylbenzene	40.8		"	50.0		81.5	80-127		3.32	30	
Tetrachloroethylene	39.2		"	50.0		78.5	80-129	Low Bias	3.61	30	
Toluene	48.0		"	50.0		95.9	85-121		4.06	30	
trans-1,2-Dichloroethylene	49.4		"	50.0		98.7	72-132		5.93	30	
trans-1,3-Dichloropropylene	50.5		"	50.0		101	78-132		3.65	30	
Trichloroethylene	46.3		"	50.0		92.7	84-123		4.10	30	
Trichlorofluoromethane	49.4		"	50.0		98.8	62-140		2.92	30	
Vinyl Chloride	50.1		"	50.0		100	52-130		2.96	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.6</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30886 - EPA 5030B**

**Blank (BG30886-BLK1) Blank**

Prepared & Analyzed: 07/17/2023

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



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30886 - EPA 5030B**

<b>Blank (BG30886-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/17/2023									
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: SURR: Toluene-d8	9.19		"	10.0		91.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.13		"	10.0		91.3	79-122				

<b>LCS (BG30886-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/17/2023									
1,1,1,2-Tetrachloroethane	9.59		ug/L	10.0		95.9	82-126				
1,1,1-Trichloroethane	9.56		"	10.0		95.6	78-136				
1,1,2,2-Tetrachloroethane	8.88		"	10.0		88.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.87		"	10.0		98.7	54-165				
1,1,2-Trichloroethane	9.71		"	10.0		97.1	82-123				
1,1-Dichloroethane	9.45		"	10.0		94.5	82-129				
1,1-Dichloroethylene	9.39		"	10.0		93.9	68-138				
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	76-136	Low Bias			
1,2,3-Trichloropropane	8.83		"	10.0		88.3	77-128				
1,2,4-Trichlorobenzene	7.27		"	10.0		72.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	8.49		"	10.0		84.9	82-132				
1,2-Dibromo-3-chloropropane	8.33		"	10.0		83.3	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	8.65		"	10.0		86.5	79-123				
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132				
1,2-Dichloropropane	9.48		"	10.0		94.8	78-126				
1,3,5-Trimethylbenzene	8.50		"	10.0		85.0	80-131				
1,3-Dichlorobenzene	8.71		"	10.0		87.1	86-122				
1,4-Dichlorobenzene	8.74		"	10.0		87.4	85-124				
1,4-Dioxane	294		"	210		140	10-349				
2-Butanone	12.2		"	10.0		122	49-152				
2-Hexanone	9.23		"	10.0		92.3	51-146				
4-Methyl-2-pentanone	9.00		"	10.0		90.0	57-145				
Acetone	11.2		"	10.0		112	14-150				
Acrolein	5.18		"	10.0		51.8	10-153				
Acrylonitrile	10.8		"	10.0		108	51-150				
Benzene	10.1		"	10.0		101	85-126				
Bromochloromethane	9.52		"	10.0		95.2	77-128				
Bromodichloromethane	8.44		"	10.0		84.4	79-128				
Bromoform	10.4		"	10.0		104	78-133				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30886 - EPA 5030B</b>											
<b>LCS (BG30886-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/17/2023									
Bromomethane	4.45		ug/L	10.0		44.5	43-168				
Carbon disulfide	9.35		"	10.0		93.5	68-146				
Carbon tetrachloride	9.91		"	10.0		99.1	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	8.74		"	10.0		87.4	65-136				
Chloroform	9.61		"	10.0		96.1	82-128				
Chloromethane	6.52		"	10.0		65.2	43-155				
cis-1,2-Dichloroethylene	9.17		"	10.0		91.7	83-129				
cis-1,3-Dichloropropylene	9.15		"	10.0		91.5	80-131				
Cyclohexane	4.61		"	10.0		46.1	63-149	Low Bias			
Dibromochloromethane	9.97		"	10.0		99.7	80-130				
Dibromomethane	9.31		"	10.0		93.1	72-134				
Dichlorodifluoromethane	6.03		"	10.0		60.3	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	7.23		"	10.0		72.3	67-146				
Isopropylbenzene	8.97		"	10.0		89.7	76-140				
Methyl acetate	9.05		"	10.0		90.5	51-139				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135				
Methylcyclohexane	9.53		"	10.0		95.3	72-143				
Methylene chloride	8.98		"	10.0		89.8	55-137				
n-Butylbenzene	8.14		"	10.0		81.4	79-132				
n-Propylbenzene	8.49		"	10.0		84.9	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.1		"	20.0		101	77-133				
p-Isopropyltoluene	8.66		"	10.0		86.6	81-136				
sec-Butylbenzene	8.71		"	10.0		87.1	79-137				
Styrene	10.4		"	10.0		104	67-132				
tert-Butyl alcohol (TBA)	37.3		"	50.0		74.6	25-162				
tert-Butylbenzene	7.78		"	10.0		77.8	77-138				
Tetrachloroethylene	9.63		"	10.0		96.3	82-131				
Toluene	9.40		"	10.0		94.0	80-127				
trans-1,2-Dichloroethylene	9.52		"	10.0		95.2	80-132				
trans-1,3-Dichloropropylene	8.94		"	10.0		89.4	78-131				
Trichloroethylene	8.98		"	10.0		89.8	82-128				
Trichlorofluoromethane	8.67		"	10.0		86.7	67-139				
Vinyl Chloride	8.22		"	10.0		82.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8	9.40		"	10.0		94.0	81-117				
Surrogate: SURR: p-Bromofluorobenzene	8.56		"	10.0		85.6	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30886 - EPA 5030B**

Matrix Spike (BG30886-MS1)	Matrix Spike	*Source sample: 23G0554-06 (Matrix Spike)					Prepared: 07/17/2023 Analyzed: 07/18/2023					
1,1,1,2-Tetrachloroethane	9.45		ug/L	10.0	0.00	94.5	45-161					
1,1,1-Trichloroethane	9.87		"	10.0	0.00	98.7	70-146					
1,1,2,2-Tetrachloroethane	8.75		"	10.0	0.00	87.5	74-121					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.87		"	10.0	0.00	98.7	21-217					
1,1,2-Trichloroethane	9.46		"	10.0	0.00	94.6	59-146					
1,1-Dichloroethane	9.58		"	10.0	0.00	95.8	54-146					
1,1-Dichloroethylene	9.94		"	10.0	0.00	99.4	44-165					
1,2,3-Trichlorobenzene	6.75		"	10.0	0.00	67.5	40-161					
1,2,3-Trichloropropane	8.50		"	10.0	0.00	85.0	74-127					
1,2,4-Trichlorobenzene	6.71		"	10.0	0.00	67.1	41-161					
1,2,4-Trimethylbenzene	8.44		"	10.0	0.00	84.4	72-129					
1,2-Dibromo-3-chloropropane	8.01		"	10.0	0.00	80.1	31-151					
1,2-Dibromoethane	9.39		"	10.0	0.00	93.9	75-125					
1,2-Dichlorobenzene	8.47		"	10.0	0.00	84.7	63-122					
1,2-Dichloroethane	9.56		"	10.0	0.00	95.6	68-131					
1,2-Dichloropropane	9.22		"	10.0	0.00	92.2	77-121					
1,3,5-Trimethylbenzene	8.51		"	10.0	0.00	85.1	69-126					
1,3-Dichlorobenzene	8.54		"	10.0	0.00	85.4	74-119					
1,4-Dichlorobenzene	8.51		"	10.0	0.00	85.1	70-124					
1,4-Dioxane	183		"	210	0.00	87.3	10-310					
2-Butanone	10.9		"	10.0	0.00	109	10-193					
2-Hexanone	7.80		"	10.0	0.00	78.0	53-133					
4-Methyl-2-pentanone	7.53		"	10.0	0.00	75.3	38-150					
Acetone	13.5		"	10.0	2.34	111	13-149					
Acrolein	3.73		"	10.0	0.00	37.3	10-195					
Acrylonitrile	9.26		"	10.0	0.00	92.6	37-165					
Benzene	10.3		"	10.0	0.00	103	38-155					
Bromochloromethane	9.53		"	10.0	0.00	95.3	75-121					
Bromodichloromethane	8.25		"	10.0	0.00	82.5	70-129					
Bromoform	9.43		"	10.0	0.00	94.3	66-136					
Bromomethane	6.17		"	10.0	0.00	61.7	30-158					
Carbon disulfide	9.76		"	10.0	0.120	96.4	10-138					
Carbon tetrachloride	10.4		"	10.0	0.00	104	71-146					
Chlorobenzene	10.0		"	10.0	0.00	100	81-117					
Chloroethane	9.76		"	10.0	0.00	97.6	51-145					
Chloroform	9.75		"	10.0	0.00	97.5	80-124					
Chloromethane	8.38		"	10.0	0.00	83.8	16-163					
cis-1,2-Dichloroethylene	8.93		"	10.0	0.00	89.3	76-125					
cis-1,3-Dichloropropylene	7.72		"	10.0	0.00	77.2	58-131					
Cyclohexane	4.64		"	10.0	0.00	46.4	70-130	Low Bias				
Dibromochloromethane	9.41		"	10.0	0.00	94.1	71-129					
Dibromomethane	8.87		"	10.0	0.00	88.7	76-120					
Dichlorodifluoromethane	6.16		"	10.0	0.00	61.6	30-147					
Ethyl Benzene	10.1		"	10.0	0.00	101	72-128					
Hexachlorobutadiene	6.21		"	10.0	0.00	62.1	34-166					
Isopropylbenzene	8.99		"	10.0	0.00	89.9	66-139					
Methyl acetate	7.15		"	10.0	0.00	71.5	10-200					
Methyl tert-butyl ether (MTBE)	10.2		"	10.0	0.00	102	75-128					
Methylcyclohexane	8.92		"	10.0	0.00	89.2	70-130					
Methylene chloride	9.13		"	10.0	0.00	91.3	57-128					
n-Butylbenzene	7.71		"	10.0	0.00	77.1	61-138					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30886 - EPA 5030B</b>												
<b>Matrix Spike (BG30886-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G0554-06 (Matrix Spike)</b>						<b>Prepared: 07/17/2023 Analyzed: 07/18/2023</b>				
n-Propylbenzene	8.66		ug/L	10.0	0.00	86.6	66-134					
o-Xylene	10.3		"	10.0	0.00	103	69-126					
p- & m- Xylenes	20.0		"	20.0	0.00	100	67-130					
p-Isopropyltoluene	8.29		"	10.0	0.00	82.9	64-137					
sec-Butylbenzene	8.65		"	10.0	0.00	86.5	53-155					
Styrene	10.1		"	10.0	0.00	101	69-125					
tert-Butyl alcohol (TBA)	28.7		"	50.0	0.00	57.4	10-130					
tert-Butylbenzene	7.85		"	10.0	0.00	78.5	65-139					
Tetrachloroethylene	9.44		"	10.0	0.00	94.4	64-139					
Toluene	9.46		"	10.0	0.00	94.6	76-123					
trans-1,2-Dichloroethylene	9.82		"	10.0	0.00	98.2	79-131					
trans-1,3-Dichloropropylene	7.47		"	10.0	0.00	74.7	55-130					
Trichloroethylene	9.04		"	10.0	0.00	90.4	53-145					
Trichlorofluoromethane	10.1		"	10.0	0.00	101	61-142					
Vinyl Chloride	9.57		"	10.0	0.00	95.7	31-165					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>	<i>81-117</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.54</i>		<i>"</i>	<i>10.0</i>		<i>85.4</i>	<i>79-122</i>					
<b>Matrix Spike Dup (BG30886-1)</b>	<b>Matrix Spike Dup</b>	<b>*Source sample: 23G0554-06 (Matrix Spike Dup)</b>						<b>Prepared: 07/17/2023 Analyzed: 07/18/2023</b>				
1,1,1,2-Tetrachloroethane	9.33		ug/L	10.0	0.00	93.3	45-161		1.28	30		
1,1,1-Trichloroethane	9.57		"	10.0	0.00	95.7	70-146		3.09	30		
1,1,2,2-Tetrachloroethane	8.75		"	10.0	0.00	87.5	74-121		0.00	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52		"	10.0	0.00	95.2	21-217		3.61	30		
1,1,2-Trichloroethane	9.34		"	10.0	0.00	93.4	59-146		1.28	30		
1,1-Dichloroethane	9.42		"	10.0	0.00	94.2	54-146		1.68	30		
1,1-Dichloroethylene	9.64		"	10.0	0.00	96.4	44-165		3.06	30		
1,2,3-Trichlorobenzene	7.24		"	10.0	0.00	72.4	40-161		7.00	30		
1,2,3-Trichloropropane	8.40		"	10.0	0.00	84.0	74-127		1.18	30		
1,2,4-Trichlorobenzene	7.29		"	10.0	0.00	72.9	41-161		8.29	30		
1,2,4-Trimethylbenzene	8.57		"	10.0	0.00	85.7	72-129		1.53	30		
1,2-Dibromo-3-chloropropane	8.27		"	10.0	0.00	82.7	31-151		3.19	30		
1,2-Dibromoethane	9.45		"	10.0	0.00	94.5	75-125		0.637	30		
1,2-Dichlorobenzene	8.54		"	10.0	0.00	85.4	63-122		0.823	30		
1,2-Dichloroethane	9.32		"	10.0	0.00	93.2	68-131		2.54	30		
1,2-Dichloropropane	9.27		"	10.0	0.00	92.7	77-121		0.541	30		
1,3,5-Trimethylbenzene	8.59		"	10.0	0.00	85.9	69-126		0.936	30		
1,3-Dichlorobenzene	8.60		"	10.0	0.00	86.0	74-119		0.700	30		
1,4-Dichlorobenzene	8.49		"	10.0	0.00	84.9	70-124		0.235	30		
1,4-Dioxane	328		"	210	0.00	156	10-310		56.5	30	Non-dir.	
2-Butanone	10.8		"	10.0	0.00	108	10-193		0.554	30		
2-Hexanone	8.05		"	10.0	0.00	80.5	53-133		3.15	30		
4-Methyl-2-pentanone	7.97		"	10.0	0.00	79.7	38-150		5.68	30		
Acetone	12.1		"	10.0	2.34	98.0	13-149		10.3	30		
Acrolein	3.94		"	10.0	0.00	39.4	10-195		5.48	30		
Acrylonitrile	9.79		"	10.0	0.00	97.9	37-165		5.56	30		
Benzene	10.1		"	10.0	0.00	101	38-155		2.36	30		
Bromochloromethane	9.29		"	10.0	0.00	92.9	75-121		2.55	30		
Bromodichloromethane	8.22		"	10.0	0.00	82.2	70-129		0.364	30		
Bromoform	9.41		"	10.0	0.00	94.1	66-136		0.212	30		
Bromomethane	6.27		"	10.0	0.00	62.7	30-158		1.61	30		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30886 - EPA 5030B**

Matrix Spike Dup (BG30886-1) Matrix Spike Dup Source sample: 23G0554-06 (Matrix Spike Dup) Prepared: 07/17/2023 Analyzed: 07/18/2023

Carbon disulfide	9.75		ug/L	10.0	0.120	96.3	10-138		0.103	30	
Carbon tetrachloride	9.98		"	10.0	0.00	99.8	71-146		3.74	30	
Chlorobenzene	9.85		"	10.0	0.00	98.5	81-117		1.61	30	
Chloroethane	9.83		"	10.0	0.00	98.3	51-145		0.715	30	
Chloroform	9.41		"	10.0	0.00	94.1	80-124		3.55	30	
Chloromethane	8.13		"	10.0	0.00	81.3	16-163		3.03	30	
cis-1,2-Dichloroethylene	8.84		"	10.0	0.00	88.4	76-125		1.01	30	
cis-1,3-Dichloropropylene	7.82		"	10.0	0.00	78.2	58-131		1.29	30	
Cyclohexane	4.68		"	10.0	0.00	46.8	70-130	Low Bias	0.858	30	
Dibromochloromethane	9.32		"	10.0	0.00	93.2	71-129		0.961	30	
Dibromomethane	8.68		"	10.0	0.00	86.8	76-120		2.17	30	
Dichlorodifluoromethane	6.12		"	10.0	0.00	61.2	30-147		0.651	30	
Ethyl Benzene	9.99		"	10.0	0.00	99.9	72-128		0.698	30	
Hexachlorobutadiene	6.32		"	10.0	0.00	63.2	34-166		1.76	30	
Isopropylbenzene	9.25		"	10.0	0.00	92.5	66-139		2.85	30	
Methyl acetate	7.21		"	10.0	0.00	72.1	10-200		0.836	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0	0.00	104	75-128		1.45	30	
Methylcyclohexane	9.13		"	10.0	0.00	91.3	70-130		2.33	30	
Methylene chloride	8.83		"	10.0	0.00	88.3	57-128		3.34	30	
n-Butylbenzene	7.89		"	10.0	0.00	78.9	61-138		2.31	30	
n-Propylbenzene	8.74		"	10.0	0.00	87.4	66-134		0.920	30	
o-Xylene	10.2		"	10.0	0.00	102	69-126		0.390	30	
p- & m- Xylenes	19.7		"	20.0	0.00	98.6	67-130		1.41	30	
p-Isopropyltoluene	8.49		"	10.0	0.00	84.9	64-137		2.38	30	
sec-Butylbenzene	8.80		"	10.0	0.00	88.0	53-155		1.72	30	
Styrene	10.0		"	10.0	0.00	100	69-125		0.793	30	
tert-Butyl alcohol (TBA)	34.3		"	50.0	0.00	68.6	10-130		17.7	30	
tert-Butylbenzene	7.93		"	10.0	0.00	79.3	65-139		1.01	30	
Tetrachloroethylene	9.53		"	10.0	0.00	95.3	64-139		0.949	30	
Toluene	9.38		"	10.0	0.00	93.8	76-123		0.849	30	
trans-1,2-Dichloroethylene	9.69		"	10.0	0.00	96.9	79-131		1.33	30	
trans-1,3-Dichloropropylene	7.44		"	10.0	0.00	74.4	55-130		0.402	30	
Trichloroethylene	8.95		"	10.0	0.00	89.5	53-145		1.00	30	
Trichlorofluoromethane	9.28		"	10.0	0.00	92.8	61-142		8.86	30	
Vinyl Chloride	9.57		"	10.0	0.00	95.7	31-165		0.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.48		"	10.0		94.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	8.83		"	10.0		88.3	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30824 - EPA 3510C

Blank (BG30824-BLK1) Blank

Prepared: 07/17/2023 Analyzed: 07/18/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30824 - EPA 3510C

Blank (BG30824-BLK1) Blank Prepared: 07/17/2023 Analyzed: 07/18/2023

Surrogate: SURR: 2-Fluorophenol	16.3		ug/L	50.0		32.6	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.83		"	50.0		15.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.1		"	25.0		84.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	53.2		"	50.0		106	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.9		"	25.0		87.8	30.7-106				

Blank (BG30824-BLK2) Blank Prepared: 07/17/2023 Analyzed: 07/18/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30824 - EPA 3510C</b>											
<b>LCS (BG30824-BS1)</b>	<b>LCS</b>	Prepared: 07/17/2023 Analyzed: 07/18/2023									
1,1-Biphenyl	13.7	5.00	ug/L	25.0		54.9	33-95				
1,2,4,5-Tetrachlorobenzene	21.3	5.00	"	25.0		85.2	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	21.1	5.00	"	25.0		84.2	16-141				
2,3,4,6-Tetrachlorophenol	23.3	5.00	"	25.0		93.1	30-130				
2,4,5-Trichlorophenol	21.9	5.00	"	25.0		87.5	32-114				
2,4,6-Trichlorophenol	25.6	5.00	"	25.0		103	35-118				
2,4-Dichlorophenol	23.9	5.00	"	25.0		95.7	25-116				
2,4-Dimethylphenol	15.8	5.00	"	25.0		63.1	15-116				
2,4-Dinitrophenol	51.1	5.00	"	25.0		204	10-170	High Bias			
2,4-Dinitrotoluene	31.2	5.00	"	25.0		125	41-128				
2,6-Dinitrotoluene	29.4	5.00	"	25.0		118	45-116	High Bias			
2-Chloronaphthalene	20.0	5.00	"	25.0		80.1	33-112				
2-Chlorophenol	17.9	5.00	"	25.0		71.5	15-120				
2-Methylnaphthalene	21.8	5.00	"	25.0		87.3	24-118				
2-Methylphenol	7.11	5.00	"	25.0		28.4	10-110				
2-Nitroaniline	24.8	5.00	"	25.0		99.4	34-129				
2-Nitrophenol	26.1	5.00	"	25.0		104	28-118				
3- & 4-Methylphenols	12.6	5.00	"	25.0		50.4	10-107				
3,3-Dichlorobenzidine	16.3	5.00	"	25.0		65.1	15-187				
3-Nitroaniline	18.2	5.00	"	25.0		72.7	24-134				
4,6-Dinitro-2-methylphenol	49.3	5.00	"	25.0		197	10-153	High Bias			
4-Bromophenyl phenyl ether	23.4	5.00	"	25.0		93.7	34-120				
4-Chloro-3-methylphenol	25.2	5.00	"	25.0		101	20-120				
4-Chloroaniline	13.8	5.00	"	25.0		55.3	10-147				
4-Chlorophenyl phenyl ether	22.2	5.00	"	25.0		88.9	27-121				
4-Nitroaniline	20.8	5.00	"	25.0		83.4	13-134				
4-Nitrophenol	35.4	5.00	"	25.0		142	10-131	High Bias			
Acetophenone	15.6	5.00	"	25.0		62.2	25-110				
Aniline	14.3	5.00	"	25.0		57.2	10-117				
Benzaldehyde	13.7	5.00	"	25.0		54.9	29-117				
Benzoic acid	4.53	5.00	"	25.0		18.1	30-130	Low Bias			
Benzyl alcohol	11.8	5.00	"	25.0		47.3	10-117				
Benzyl butyl phthalate	20.5	5.00	"	25.0		81.8	29-133				
Bis(2-chloroethoxy)methane	23.8	5.00	"	25.0		95.3	10-154				
Bis(2-chloroethyl)ether	20.7	5.00	"	25.0		82.6	17-125				
Bis(2-chloroisopropyl)ether	19.9	5.00	"	25.0		79.6	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	22.2	5.00	"	25.0		88.6	42-126				
Dibenzofuran	22.4	5.00	"	25.0		89.6	36-113				
Diethyl phthalate	23.0	5.00	"	25.0		92.1	38-115				
Dimethyl phthalate	23.5	5.00	"	25.0		94.1	38-129				
Di-n-butyl phthalate	21.6	5.00	"	25.0		86.5	31-120				
Di-n-octyl phthalate	21.6	5.00	"	25.0		86.2	21-149				
Diphenylamine	24.8	5.00	"	25.0		99.4	40-140				
Hexachlorocyclopentadiene	10.8	10.0	"	25.0		43.3	10-130				
Isophorone	25.6	5.00	"	25.0		102	25-127				
N-nitroso-di-n-propylamine	21.0	5.00	"	25.0		84.0	26-122				
N-Nitrosodiphenylamine	24.5	5.00	"	25.0		98.1	23-149				
Phenol	7.48	5.00	"	25.0		29.9	10-110				
Pyridine	3.33	5.00	"	25.5		13.1	10-90				
Surrogate: SURR: 2-Fluorophenol	18.8		"	50.0		37.6	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30824 - EPA 3510C

LCS (BG30824-BS1) LCS Prepared: 07/17/2023 Analyzed: 07/18/2023

Surrogate: SURR: Phenol-d6	10.4		ug/L	50.0		20.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	22.6		"	25.0		90.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.0		"	25.0		76.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	55.8		"	50.0		112	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.9		"	25.0		79.6	30.7-106				

LCS (BG30824-BS2) LCS Prepared: 07/17/2023 Analyzed: 07/18/2023

Acenaphthene	0.810	0.0500	ug/L	1.00		81.0	25-116				
Acenaphthylene	0.920	0.0500	"	1.00		92.0	26-116				
Anthracene	0.830	0.0500	"	1.00		83.0	25-123				
Benzo(a)anthracene	0.950	0.0500	"	1.00		95.0	33-125				
Benzo(a)pyrene	0.920	0.0500	"	1.00		92.0	32-132				
Benzo(b)fluoranthene	1.02	0.0500	"	1.00		102	22-137				
Benzo(g,h,i)perylene	1.00	0.0500	"	1.00		100	10-138				
Benzo(k)fluoranthene	0.950	0.0500	"	1.00		95.0	20-137				
Bis(2-ethylhexyl)phthalate	1.33	0.500	"	1.00		133	10-189				
Chrysene	0.900	0.0500	"	1.00		90.0	32-124				
Dibenzo(a,h)anthracene	1.04	0.0500	"	1.00		104	16-133				
Fluoranthene	0.940	0.0500	"	1.00		94.0	32-121				
Fluorene	0.920	0.0500	"	1.00		92.0	28-118				
Hexachlorobenzene	1.04	0.0200	"	1.00		104	23-124				
Hexachlorobutadiene	0.760	0.500	"	1.00		76.0	15-123				
Hexachloroethane	3.80	0.500	"	1.00		380	18-115			High Bias	
Indeno(1,2,3-cd)pyrene	1.08	0.0500	"	1.00		108	15-135				
Naphthalene	0.820	0.0500	"	1.00		82.0	18-120				
Nitrobenzene	1.10	0.250	"	1.00		110	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124			Low Bias	
Pentachlorophenol	1.97	0.250	"	1.00		197	10-156			High Bias	
Phenanthrene	0.870	0.0500	"	1.00		87.0	24-127				
Pyrene	0.860	0.0500	"	1.00		86.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30824 - EPA 3510C</b>											
<b>LCS Dup (BG30824-BSD1)</b>	<b>LCS Dup</b>	Prepared: 07/17/2023 Analyzed: 07/18/2023									
1,1-Biphenyl	12.9	5.00	ug/L	25.0		51.8	33-95		5.85	20	
1,2,4,5-Tetrachlorobenzene	19.8	5.00	"	25.0		79.3	26-120		7.10	20	
1,2-Diphenylhydrazine (as Azobenzene)	20.0	5.00	"	25.0		80.1	16-141		5.01	20	
2,3,4,6-Tetrachlorophenol	21.6	5.00	"	25.0		86.2	30-130		7.67	20	
2,4,5-Trichlorophenol	20.5	5.00	"	25.0		82.1	32-114		6.37	20	
2,4,6-Trichlorophenol	24.5	5.00	"	25.0		97.9	35-118		4.63	20	
2,4-Dichlorophenol	21.9	5.00	"	25.0		87.8	25-116		8.68	20	
2,4-Dimethylphenol	14.3	5.00	"	25.0		57.1	15-116		10.0	20	
2,4-Dinitrophenol	44.5	5.00	"	25.0		178	10-170	High Bias	13.7	20	
2,4-Dinitrotoluene	28.4	5.00	"	25.0		114	41-128		9.10	20	
2,6-Dinitrotoluene	27.2	5.00	"	25.0		109	45-116		7.80	20	
2-Chloronaphthalene	18.7	5.00	"	25.0		74.8	33-112		6.87	20	
2-Chlorophenol	16.2	5.00	"	25.0		64.7	15-120		9.98	20	
2-Methylnaphthalene	19.7	5.00	"	25.0		78.7	24-118		10.4	20	
2-Methylphenol	6.53	5.00	"	25.0		26.1	10-110		8.50	20	
2-Nitroaniline	23.3	5.00	"	25.0		93.1	34-129		6.52	20	
2-Nitrophenol	24.1	5.00	"	25.0		96.6	28-118		7.88	20	
3- & 4-Methylphenols	11.3	5.00	"	25.0		45.1	10-107		11.1	20	
3,3-Dichlorobenzidine	14.9	5.00	"	25.0		59.6	15-187		8.72	20	
3-Nitroaniline	17.3	5.00	"	25.0		69.3	24-134		4.79	20	
4,6-Dinitro-2-methylphenol	45.3	5.00	"	25.0		181	10-153	High Bias	8.46	20	
4-Bromophenyl phenyl ether	22.2	5.00	"	25.0		89.0	34-120		5.12	20	
4-Chloro-3-methylphenol	23.4	5.00	"	25.0		93.4	20-120		7.58	20	
4-Chloroaniline	13.4	5.00	"	25.0		53.4	10-147		3.46	20	
4-Chlorophenyl phenyl ether	20.8	5.00	"	25.0		83.2	27-121		6.65	20	
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	33.4	5.00	"	25.0		134	10-131	High Bias	5.99	20	
Acetophenone	13.6	5.00	"	25.0		54.2	25-110		13.7	20	
Aniline	5.89	5.00	"	25.0		23.6	10-117		83.4	20	Non-dir.
Benzaldehyde	12.2	5.00	"	25.0		48.7	29-117		12.0	20	
Benzoic acid	4.66	5.00	"	25.0		18.6	30-130	Low Bias	2.83	20	
Benzyl alcohol	10.7	5.00	"	25.0		42.9	10-117		9.75	20	
Benzyl butyl phthalate	19.0	5.00	"	25.0		76.1	29-133		7.24	20	
Bis(2-chloroethoxy)methane	21.7	5.00	"	25.0		86.9	10-154		9.22	20	
Bis(2-chloroethyl)ether	18.3	5.00	"	25.0		73.2	17-125		12.1	20	
Bis(2-chloroisopropyl)ether	17.2	5.00	"	25.0		68.7	10-139		14.8	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	20.6	5.00	"	25.0		82.6	42-126		7.05	20	
Dibenzofuran	20.8	5.00	"	25.0		83.3	36-113		7.31	20	
Diethyl phthalate	21.1	5.00	"	25.0		84.4	38-115		8.70	20	
Dimethyl phthalate	21.8	5.00	"	25.0		87.0	38-129		7.77	20	
Di-n-butyl phthalate	20.0	5.00	"	25.0		80.1	31-120		7.68	20	
Di-n-octyl phthalate	20.8	5.00	"	25.0		83.0	21-149		3.73	20	
Diphenylamine	23.7	5.00	"	25.0		94.6	40-140		4.91	20	
Hexachlorocyclopentadiene	9.41	10.0	"	25.0		37.6	10-130		13.9	20	
Isophorone	22.8	5.00	"	25.0		91.4	25-127		11.3	20	
N-nitroso-di-n-propylamine	18.5	5.00	"	25.0		73.9	26-122		12.8	20	
N-Nitrosodiphenylamine	22.9	5.00	"	25.0		91.7	23-149		6.70	20	
Phenol	6.65	5.00	"	25.0		26.6	10-110		11.7	20	
Pyridine	4.14	5.00	"	25.5		16.2	10-90		21.7	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	17.2		"	50.0		34.4	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30824 - EPA 3510C**

LCS Dup (BG30824-BSD1) LCS Dup

Prepared: 07/17/2023 Analyzed: 07/18/2023

Surrogate: SURR: Phenol-d6	9.68		ug/L	50.0		19.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.3		"	25.0		81.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		71.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	53.3		"	50.0		107	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.4		"	25.0		77.5	30.7-106				

**Batch BG31081 - EPA 3550C**

Blank (BG31081-BLK1) Blank

Prepared & Analyzed: 07/20/2023

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31081 - EPA 3550C

Blank (BG31081-BLK1)	Blank	Prepared & Analyzed: 07/20/2023									
Benzyl butyl phthalate	ND	0.0417	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.57		"	1.67		94.0	20-108				
Surrogate: SURR: Phenol-d6	1.50		"	1.67		89.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.781		"	0.833		93.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.686		"	0.833		82.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.08		"	1.67		125	19-110				
Surrogate: SURR: Terphenyl-d14	0.896		"	0.833		108	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31081 - EPA 3550C</b>											
<b>LCS (BG31081-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/20/2023									
1,1-Biphenyl	0.645	0.0417	mg/kg wet	0.833		77.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.859	0.0833	"	0.833		103	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.661	0.0417	"	0.833		79.3	17-137				
2,3,4,6-Tetrachlorophenol	1.11	0.0833	"	0.833		134	30-130	High Bias			
2,4,5-Trichlorophenol	0.783	0.0417	"	0.833		94.0	27-118				
2,4,6-Trichlorophenol	0.649	0.0417	"	0.833		77.9	31-120				
2,4-Dichlorophenol	0.753	0.0417	"	0.833		90.4	20-127				
2,4-Dimethylphenol	0.630	0.0417	"	0.833		75.6	14-132				
2,4-Dinitrophenol	0.0850	0.0833	"	0.833		10.2	10-171				
2,4-Dinitrotoluene	0.737	0.0417	"	0.833		88.4	34-131				
2,6-Dinitrotoluene	0.704	0.0417	"	0.833		84.5	31-128				
2-Chloronaphthalene	0.626	0.0417	"	0.833		75.1	31-117				
2-Chlorophenol	0.709	0.0417	"	0.833		85.1	33-113				
2-Methylnaphthalene	0.687	0.0417	"	0.833		82.5	12-138				
2-Methylphenol	0.679	0.0417	"	0.833		81.5	10-136				
2-Nitroaniline	0.781	0.0833	"	0.833		93.7	27-132				
2-Nitrophenol	0.667	0.0417	"	0.833		80.0	17-129				
3- & 4-Methylphenols	0.632	0.0417	"	0.833		75.9	29-103				
3,3-Dichlorobenzidine	0.797	0.0417	"	0.833		95.7	22-149				
3-Nitroaniline	0.756	0.0833	"	0.833		90.7	20-133				
4,6-Dinitro-2-methylphenol	0.0960	0.0833	"	0.833		11.5	10-143				
4-Bromophenyl phenyl ether	0.664	0.0417	"	0.833		79.7	29-120				
4-Chloro-3-methylphenol	0.796	0.0417	"	0.833		95.6	24-129				
4-Chloroaniline	0.586	0.0417	"	0.833		70.4	10-132				
4-Chlorophenyl phenyl ether	0.670	0.0417	"	0.833		80.4	27-124				
4-Nitroaniline	0.776	0.0833	"	0.833		93.1	16-128				
4-Nitrophenol	0.969	0.0833	"	0.833		116	10-141				
Acenaphthene	0.615	0.0417	"	0.833		73.8	30-121				
Acenaphthylene	0.608	0.0417	"	0.833		73.0	30-115				
Acetophenone	0.657	0.0417	"	0.833		78.9	20-112				
Aniline	0.411	0.167	"	0.833		49.3	10-119				
Anthracene	0.700	0.0417	"	0.833		84.0	34-118				
Atrazine	0.676	0.0417	"	0.833		81.1	26-112				
Benzaldehyde	0.669	0.0417	"	0.833		80.2	21-100				
Benzo(a)anthracene	0.753	0.0417	"	0.833		90.4	32-122				
Benzo(a)pyrene	0.650	0.0417	"	0.833		78.0	29-133				
Benzo(b)fluoranthene	0.673	0.0417	"	0.833		80.8	25-133				
Benzo(g,h,i)perylene	0.655	0.0417	"	0.833		78.6	10-143				
Benzo(k)fluoranthene	0.682	0.0417	"	0.833		81.9	25-128				
Benzoic acid	1.31	0.0417	"	0.833		157	10-140	High Bias			
Benzyl alcohol	0.664	0.0417	"	0.833		79.6	30-115				
Benzyl butyl phthalate	0.746	0.0417	"	0.833		89.5	26-126				
Bis(2-chloroethoxy)methane	0.712	0.0417	"	0.833		85.4	19-132				
Bis(2-chloroethyl)ether	0.683	0.0417	"	0.833		81.9	19-125				
Bis(2-chloroisopropyl)ether	0.712	0.0417	"	0.833		85.5	20-135				
Bis(2-ethylhexyl)phthalate	0.759	0.0417	"	0.833		91.1	10-155				
Caprolactam	0.828	0.0833	"	0.833		99.4	10-127				
Carbazole	0.705	0.0417	"	0.833		84.6	35-123				
Chrysene	0.711	0.0417	"	0.833		85.3	32-123				
Dibenzo(a,h)anthracene	0.673	0.0417	"	0.833		80.8	10-136				
Dibenzofuran	0.638	0.0417	"	0.833		76.5	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31081 - EPA 3550C</b>												
<b>LCS (BG31081-BS1)</b>	<b>LCS</b>						Prepared & Analyzed: 07/20/2023					
Diethyl phthalate	0.652	0.0417	mg/kg wet	0.833		78.3	34-116					
Dimethyl phthalate	0.639	0.0417	"	0.833		76.6	35-124					
Di-n-butyl phthalate	0.682	0.0417	"	0.833		81.9	31-116					
Di-n-octyl phthalate	0.812	0.0417	"	0.833		97.4	26-136					
Diphenylamine	0.751	0.0833	"	0.833		90.2	40-140					
Fluoranthene	0.739	0.0417	"	0.833		88.7	33-122					
Fluorene	0.654	0.0417	"	0.833		78.5	29-123					
Hexachlorobenzene	0.722	0.0417	"	0.833		86.7	21-124					
Hexachlorobutadiene	0.695	0.0417	"	0.833		83.4	10-149					
Hexachlorocyclopentadiene	0.0880	0.0417	"	0.833		10.6	10-129					
Hexachloroethane	0.498	0.0417	"	0.833		59.7	28-108					
Indeno(1,2,3-cd)pyrene	0.705	0.0417	"	0.833		84.6	10-135					
Isophorone	0.741	0.0417	"	0.833		88.9	20-132					
Naphthalene	0.686	0.0417	"	0.833		82.4	23-124					
Nitrobenzene	0.736	0.0417	"	0.833		88.3	13-132					
N-Nitrosodimethylamine	0.670	0.0417	"	0.833		80.4	11-129					
N-nitroso-di-n-propylamine	0.661	0.0417	"	0.833		79.4	24-119					
N-Nitrosodiphenylamine	0.751	0.0417	"	0.833		90.1	22-152					
Pentachlorophenol	1.21	0.0417	"	0.833		145	10-139	High Bias				
Phenanthrene	0.686	0.0417	"	0.833		82.3	33-123					
Phenol	0.729	0.0417	"	0.833		87.5	23-115					
Pyrene	0.734	0.0417	"	0.833		88.0	24-130					
Pyridine	0.557	0.167	"	0.833		66.9	10-91					
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>1.46</i>		<i>"</i>	<i>1.67</i>		<i>87.7</i>	<i>20-108</i>					
<i>Surrogate: SURR: Phenol-d6</i>	<i>1.40</i>		<i>"</i>	<i>1.67</i>		<i>83.9</i>	<i>23-114</i>					
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.770</i>		<i>"</i>	<i>0.833</i>		<i>92.4</i>	<i>22-108</i>					
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.623</i>		<i>"</i>	<i>0.833</i>		<i>74.8</i>	<i>21-113</i>					
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>1.98</i>		<i>"</i>	<i>1.67</i>		<i>119</i>	<i>19-110</i>					
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.761</i>		<i>"</i>	<i>0.833</i>		<i>91.4</i>	<i>24-116</i>					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31081 - EPA 3550C</b>												
<b>Matrix Spike (BG31081-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G0893-20 (Matrix Spike)</b>						<b>Prepared &amp; Analyzed: 07/20/2023</b>				
1,1-Biphenyl	0.724	0.0902	mg/kg dry	0.902	ND	80.3	10-130					
1,2,4,5-Tetrachlorobenzene	1.02	0.180	"	0.902	ND	113	10-133					
1,2-Diphenylhydrazine (as Azobenzene)	0.558	0.0902	"	0.902	ND	61.8	10-144					
2,3,4,6-Tetrachlorophenol	0.710	0.180	"	0.902	ND	78.8	30-130					
2,4,5-Trichlorophenol	0.817	0.0902	"	0.902	ND	90.6	10-127					
2,4,6-Trichlorophenol	0.722	0.0902	"	0.902	ND	80.1	10-132					
2,4-Dichlorophenol	0.799	0.0902	"	0.902	ND	88.6	10-128					
2,4-Dimethylphenol	0.718	0.0902	"	0.902	ND	79.7	10-137					
2,4-Dinitrophenol	ND	0.180	"	0.902	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.765	0.0902	"	0.902	ND	84.9	16-135					
2,6-Dinitrotoluene	0.799	0.0902	"	0.902	ND	88.6	18-131					
2-Chloronaphthalene	0.731	0.0902	"	0.902	ND	81.0	10-129					
2-Chlorophenol	0.703	0.0902	"	0.902	ND	77.9	15-116					
2-Methylnaphthalene	0.748	0.0902	"	0.902	ND	83.0	10-147					
2-Methylphenol	0.697	0.0902	"	0.902	ND	77.4	10-136					
2-Nitroaniline	0.975	0.180	"	0.902	ND	108	10-137					
2-Nitrophenol	0.647	0.0902	"	0.902	ND	71.8	10-129					
3- & 4-Methylphenols	0.626	0.0902	"	0.902	ND	69.4	10-123					
3,3-Dichlorobenzidine	0.689	0.0902	"	0.902	ND	76.4	10-155					
3-Nitroaniline	0.912	0.180	"	0.902	ND	101	12-133					
4,6-Dinitro-2-methylphenol	ND	0.180	"	0.902	ND		10-155	Low Bias				
4-Bromophenyl phenyl ether	0.677	0.0902	"	0.902	ND	75.1	14-128					
4-Chloro-3-methylphenol	0.835	0.0902	"	0.902	ND	92.6	10-134					
4-Chloroaniline	0.517	0.0902	"	0.902	ND	57.4	10-145					
4-Chlorophenyl phenyl ether	0.767	0.0902	"	0.902	ND	85.0	14-130					
4-Nitroaniline	1.00	0.180	"	0.902	ND	111	10-147					
4-Nitrophenol	0.731	0.180	"	0.902	ND	81.0	10-137					
Acenaphthene	0.734	0.0902	"	0.902	ND	81.4	10-146					
Acenaphthylene	0.696	0.0902	"	0.902	ND	77.2	10-134					
Acetophenone	0.623	0.0902	"	0.902	ND	69.1	10-116					
Aniline	0.474	0.361	"	0.902	ND	52.6	10-123					
Anthracene	0.892	0.0902	"	0.902	ND	99.0	10-142					
Atrazine	0.692	0.0902	"	0.902	ND	76.8	19-115					
Benzaldehyde	0.615	0.0902	"	0.902	ND	68.2	10-125					
Benzo(a)anthracene	1.02	0.0902	"	0.902	0.152	96.3	10-158					
Benzo(a)pyrene	0.919	0.0902	"	0.902	0.142	86.2	10-180					
Benzo(b)fluoranthene	0.936	0.0902	"	0.902	0.125	89.9	10-200					
Benzo(g,h,i)perylene	0.664	0.0902	"	0.902	0.0833	64.4	10-138					
Benzo(k)fluoranthene	0.889	0.0902	"	0.902	0.111	86.2	10-197					
Benzoic acid	0.0829	0.0902	"	0.902	ND	9.20	10-166	Low Bias				
Benzyl alcohol	0.661	0.0902	"	0.902	ND	73.3	12-124					
Benzyl butyl phthalate	1.02	0.0902	"	0.902	ND	113	10-154					
Bis(2-chloroethoxy)methane	0.658	0.0902	"	0.902	ND	73.0	10-132					
Bis(2-chloroethyl)ether	0.616	0.0902	"	0.902	ND	68.3	10-119					
Bis(2-chloroisopropyl)ether	0.524	0.0902	"	0.902	ND	58.1	10-139					
Bis(2-ethylhexyl)phthalate	0.981	0.0902	"	0.902	ND	109	10-167					
Caprolactam	0.888	0.180	"	0.902	ND	98.5	10-132					
Carbazole	0.896	0.0902	"	0.902	ND	99.4	10-167					
Chrysene	0.930	0.0902	"	0.902	0.144	87.2	10-156					
Dibenzo(a,h)anthracene	0.710	0.0902	"	0.902	ND	78.8	10-137					
Dibenzofuran	0.747	0.0902	"	0.902	ND	82.8	10-147					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31081 - EPA 3550C

Matrix Spike (BG31081-MS1)	Matrix Spike	*Source sample: 23G0893-20 (Matrix Spike)					Prepared & Analyzed: 07/20/2023					
Diethyl phthalate	0.770	0.0902	mg/kg dry	0.902	ND	85.4	20-120					
Dimethyl phthalate	0.764	0.0902	"	0.902	ND	84.7	18-131					
Di-n-butyl phthalate	0.982	0.0902	"	0.902	ND	109	10-137					
Di-n-octyl phthalate	1.12	0.0902	"	0.902	ND	124	10-180					
Diphenylamine	0.731	0.180	"	0.902	ND	81.1	40-140					
Fluoranthene	1.28	0.0902	"	0.902	0.332	105	10-160					
Fluorene	0.762	0.0902	"	0.902	ND	84.5	10-157					
Hexachlorobenzene	0.736	0.0902	"	0.902	ND	81.6	10-137					
Hexachlorobutadiene	0.800	0.0902	"	0.902	ND	88.7	10-132					
Hexachlorocyclopentadiene	ND	0.0902	"	0.902	ND		10-106	Low Bias				
Hexachloroethane	0.472	0.0902	"	0.902	ND	52.4	10-110					
Indeno(1,2,3-cd)pyrene	0.801	0.0902	"	0.902	0.101	77.6	10-144					
Isophorone	0.761	0.0902	"	0.902	ND	84.4	10-132					
Naphthalene	0.708	0.0902	"	0.902	ND	78.5	10-141					
Nitrobenzene	0.788	0.0902	"	0.902	ND	87.4	10-131					
N-Nitrosodimethylamine	0.888	0.0902	"	0.902	ND	98.5	10-126					
N-nitroso-di-n-propylamine	0.623	0.0902	"	0.902	ND	69.1	10-125					
N-Nitrosodiphenylamine	0.739	0.0902	"	0.902	ND	81.9	10-177					
Pentachlorophenol	0.311	0.0902	"	0.902	ND	34.5	10-153					
Phenanthrene	0.974	0.0902	"	0.902	0.109	95.9	10-148					
Phenol	0.701	0.0902	"	0.902	ND	77.8	10-126					
Pyrene	1.23	0.0902	"	0.902	0.301	103	10-165					
Pyridine	0.595	0.361	"	0.902	ND	66.0	10-83					
Surrogate: SURR: 2-Fluorophenol	1.52		"	1.80		84.4	20-108					
Surrogate: SURR: Phenol-d6	1.43		"	1.80		79.3	23-114					
Surrogate: SURR: Nitrobenzene-d5	0.868		"	0.902		96.2	22-108					
Surrogate: SURR: 2-Fluorobiphenyl	0.747		"	0.902		82.9	21-113					
Surrogate: SURR: 2,4,6-Tribromophenol	1.46		"	1.80		80.9	19-110					
Surrogate: SURR: Terphenyl-d14	0.803		"	0.902		89.0	24-116					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31081 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31081-1) Matrix Spike Dup Source sample: 23G0893-20 (Matrix Spike Dup) Prepared &amp; Analyzed: 07/20/2023</b>											
1,1-Biphenyl	0.700	0.0902	mg/kg dry	0.902	ND	77.7	10-130		3.34	30	
1,2,4,5-Tetrachlorobenzene	0.977	0.180	"	0.902	ND	108	10-133		4.05	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.526	0.0902	"	0.902	ND	58.3	10-144		5.86	30	
2,3,4,6-Tetrachlorophenol	0.706	0.180	"	0.902	ND	78.3	30-130		0.611	30	
2,4,5-Trichlorophenol	0.771	0.0902	"	0.902	ND	85.5	10-127		5.72	30	
2,4,6-Trichlorophenol	0.718	0.0902	"	0.902	ND	79.7	10-132		0.501	30	
2,4-Dichlorophenol	0.791	0.0902	"	0.902	ND	87.8	10-128		0.998	30	
2,4-Dimethylphenol	0.661	0.0902	"	0.902	ND	73.3	10-137		8.37	30	
2,4-Dinitrophenol	ND	0.180	"	0.902	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.785	0.0902	"	0.902	ND	87.0	16-135		2.51	30	
2,6-Dinitrotoluene	0.817	0.0902	"	0.902	ND	90.6	18-131		2.23	30	
2-Chloronaphthalene	0.705	0.0902	"	0.902	ND	78.2	10-129		3.52	30	
2-Chlorophenol	0.687	0.0902	"	0.902	ND	76.2	15-116		2.18	30	
2-Methylnaphthalene	0.713	0.0902	"	0.902	ND	79.0	10-147		4.84	30	
2-Methylphenol	0.709	0.0902	"	0.902	ND	78.6	10-136		1.64	30	
2-Nitroaniline	0.973	0.180	"	0.902	ND	108	10-137		0.222	30	
2-Nitrophenol	0.656	0.0902	"	0.902	ND	72.8	10-129		1.44	30	
3- & 4-Methylphenols	0.606	0.0902	"	0.902	ND	67.2	10-123		3.28	30	
3,3-Dichlorobenzidine	0.704	0.0902	"	0.902	ND	78.1	10-155		2.18	30	
3-Nitroaniline	0.897	0.180	"	0.902	ND	99.5	12-133		1.59	30	
4,6-Dinitro-2-methylphenol	ND	0.180	"	0.902	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.658	0.0902	"	0.902	ND	73.0	14-128		2.92	30	
4-Chloro-3-methylphenol	0.822	0.0902	"	0.902	ND	91.2	10-134		1.48	30	
4-Chloroaniline	0.516	0.0902	"	0.902	ND	57.2	10-145		0.279	30	
4-Chlorophenyl phenyl ether	0.752	0.0902	"	0.902	ND	83.4	14-130		2.00	30	
4-Nitroaniline	0.972	0.180	"	0.902	ND	108	10-147		2.92	30	
4-Nitrophenol	0.744	0.180	"	0.902	ND	82.5	10-137		1.76	30	
Acenaphthene	0.741	0.0902	"	0.902	ND	82.2	10-146		0.978	30	
Acenaphthylene	0.687	0.0902	"	0.902	ND	76.2	10-134		1.25	30	
Acetophenone	0.641	0.0902	"	0.902	ND	71.1	10-116		2.85	30	
Aniline	0.492	0.361	"	0.902	ND	54.6	10-123		3.73	30	
Anthracene	0.819	0.0902	"	0.902	ND	90.9	10-142		8.51	30	
Atrazine	0.641	0.0902	"	0.902	ND	71.1	19-115		7.68	30	
Benzaldehyde	0.643	0.0902	"	0.902	ND	71.3	10-125		4.36	30	
Benzo(a)anthracene	0.953	0.0902	"	0.902	0.152	88.8	10-158		6.87	30	
Benzo(a)pyrene	0.843	0.0902	"	0.902	0.142	77.8	10-180		8.60	30	
Benzo(b)fluoranthene	0.865	0.0902	"	0.902	0.125	82.1	10-200		7.85	30	
Benzo(g,h,i)perylene	0.624	0.0902	"	0.902	0.0833	60.0	10-138		6.16	30	
Benzo(k)fluoranthene	0.809	0.0902	"	0.902	0.111	77.3	10-197		9.43	30	
Benzoic acid	0.0577	0.0902	"	0.902	ND	6.40	10-166	Low Bias	35.9	30	Non-dir.
Benzyl alcohol	0.666	0.0902	"	0.902	ND	73.8	12-124		0.761	30	
Benzyl butyl phthalate	0.995	0.0902	"	0.902	ND	110	10-154		2.43	30	
Bis(2-chloroethoxy)methane	0.667	0.0902	"	0.902	ND	74.0	10-132		1.42	30	
Bis(2-chloroethyl)ether	0.621	0.0902	"	0.902	ND	68.9	10-119		0.816	30	
Bis(2-chloroisopropyl)ether	0.522	0.0902	"	0.902	ND	57.9	10-139		0.276	30	
Bis(2-ethylhexyl)phthalate	0.929	0.0902	"	0.902	ND	103	10-167		5.44	30	
Caprolactam	0.844	0.180	"	0.902	ND	93.6	10-132		5.08	30	
Carbazole	0.848	0.0902	"	0.902	ND	94.1	10-167		5.46	30	
Chrysene	0.866	0.0902	"	0.902	0.144	80.2	10-156		7.07	30	
Dibenzo(a,h)anthracene	0.683	0.0902	"	0.902	ND	75.8	10-137		3.93	30	
Dibenzofuran	0.744	0.0902	"	0.902	ND	82.5	10-147		0.387	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31081 - EPA 3550C

Matrix Spike Dup (BG31081-1) Matrix Spike Dup Source sample: 23G0893-20 (Matrix Spike Dup)

Prepared & Analyzed: 07/20/2023

Diethyl phthalate	0.757	0.0902	mg/kg dry	0.902	ND	84.0	20-120		1.70	30	
Dimethyl phthalate	0.743	0.0902	"	0.902	ND	82.4	18-131		2.78	30	
Di-n-butyl phthalate	0.925	0.0902	"	0.902	ND	103	10-137		5.90	30	
Di-n-octyl phthalate	1.12	0.0902	"	0.902	ND	124	10-180		0.00	30	
Diphenylamine	0.700	0.180	"	0.902	ND	77.7	40-140		4.33	30	
Fluoranthene	1.05	0.0902	"	0.902	0.332	80.2	10-160		19.0	30	
Fluorene	0.725	0.0902	"	0.902	ND	80.4	10-157		4.95	30	
Hexachlorobenzene	0.717	0.0902	"	0.902	ND	79.5	10-137		2.58	30	
Hexachlorobutadiene	0.806	0.0902	"	0.902	ND	89.4	10-132		0.808	30	
Hexachlorocyclopentadiene	ND	0.0902	"	0.902	ND		10-106	Low Bias		30	
Hexachloroethane	0.459	0.0902	"	0.902	ND	50.9	10-110		2.94	30	
Indeno(1,2,3-cd)pyrene	0.762	0.0902	"	0.902	0.101	73.3	10-144		4.99	30	
Isophorone	0.742	0.0902	"	0.902	ND	82.3	10-132		2.50	30	
Naphthalene	0.704	0.0902	"	0.902	ND	78.1	10-141		0.511	30	
Nitrobenzene	0.780	0.0902	"	0.902	ND	86.6	10-131		0.920	30	
N-Nitrosodimethylamine	0.903	0.0902	"	0.902	ND	100	10-126		1.69	30	
N-nitroso-di-n-propylamine	0.630	0.0902	"	0.902	ND	69.9	10-125		1.15	30	
N-Nitrosodiphenylamine	0.674	0.0902	"	0.902	ND	74.8	10-177		9.09	30	
Pentachlorophenol	0.328	0.0902	"	0.902	ND	36.4	10-153		5.42	30	
Phenanthrene	0.828	0.0902	"	0.902	0.109	79.7	10-148		16.2	30	
Phenol	0.671	0.0902	"	0.902	ND	74.4	10-126		4.42	30	
Pyrene	1.04	0.0902	"	0.902	0.301	81.8	10-165		16.8	30	
Pyridine	0.670	0.361	"	0.902	ND	74.3	10-83		11.9	30	
Surrogate: SURR: 2-Fluorophenol	1.48		"	1.80		82.3	20-108				
Surrogate: SURR: Phenol-d6	1.42		"	1.80		78.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.852		"	0.902		94.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.723		"	0.902		80.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.42		"	1.80		79.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.777		"	0.902		86.2	24-116				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30970 - EPA 3535A</b>												
<b>Blank (BG30970-BLK1)</b>	<b>Blank</b>										Prepared & Analyzed: 07/19/2023	
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.65		"	4.00		66.2	36.6-118					
<b>LCS (BG30970-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/19/2023	
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	4.00		80.0	36.6-118					
<b>Matrix Spike (BG30970-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0795-05 (Matrix Spike)										Prepared & Analyzed: 07/19/2023
1,4-Dioxane	10.1	0.300	ug/L	4.00	5.78	109	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.58		"	4.00		64.6	50-130					
<b>Matrix Spike Dup (BG30970-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0795-05 (Matrix Spike Dup)										Prepared & Analyzed: 07/19/2023
1,4-Dioxane	10.3	0.300	ug/L	4.00	5.78	114	50-130		2.03	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.49		"	4.00		62.2	50-130					
<b>Batch BG31106 - EPA 3550C</b>												
<b>Blank (BG31106-BLK1)</b>	<b>Blank</b>										Prepared & Analyzed: 07/20/2023	
1,4-Dioxane	ND	20.0	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	347		"	500		69.4	39-127.5					
<b>LCS (BG31106-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/20/2023	
1,4-Dioxane	492	20.0	ug/kg	500		98.4	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	286		"	500		57.2	39-127.5					
<b>Matrix Spike (BG31106-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0812-02 (RIB12_10-12)										Prepared & Analyzed: 07/20/2023
1,4-Dioxane	496	19.2	ug/kg	481	ND	103	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	259		"	481		53.9	40-130					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31106 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31106-1 Matrix Spike Dup)</b>						Source sample: 23G0812-02 (RIB12_10-12)					
Prepared & Analyzed: 07/20/2023											
1,4-Dioxane	492	19.6	ug/kg	490	ND	100	40-130		0.809	30	
Surrogate: 1,4-Dioxane-d8	268		"	490		54.7	40-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30893 - EPA 1633 Prep</b>											
<b>Blank (BG30893-BLK1)</b>	<b>Blank</b>										Prepared: 07/17/2023 Analyzed: 07/20/2023
Perfluorobutanesulfonic acid (PFBS)	ND	3.64	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.11	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.11	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.76	"								
Perfluorooctanoic acid (PFOA)	ND	4.11	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.82	"								
Perfluorononanoic acid (PFNA)	ND	4.11	"								
Perfluorodecanoic acid (PFDA)	ND	4.11	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.11	"								
Perfluorododecanoic acid (PFDoA)	ND	4.11	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.11	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.11	"								
N-MeFOSAA	ND	4.11	"								
N-EtFOSAA	ND	4.11	"								
Perfluoropentanoic acid (PFPeA)	ND	8.22	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.11	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.92	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.97	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.6	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.8	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.4	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.32	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.22	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.22	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.22	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.4	"								
HFPO-DA (Gen-X)	ND	16.4	"								
11CL-PF3OUdS	ND	15.5	"								
9CL-PF3ONS	ND	15.4	"								
ADONA	ND	15.5	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.99	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.95	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.3	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	51.4	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	51.4	"								
N-MeFOSE	ND	41.1	"								
N-MeFOSA	ND	4.11	"								
N-EtFOSE	ND	41.1	"								
N-EtFOSA	ND	4.11	"								
<i>Surrogate: M3PFBS</i>	54.4		"	47.9		114	25-150				
<i>Surrogate: M5PFHxA</i>	78.9		"	51.4		154	25-150				
<i>Surrogate: M4PFHpA</i>	79.1		"	51.4		154	25-150				
<i>Surrogate: M3PFHxS</i>	56.3		"	48.7		116	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	62.8		"	51.4		122	25-150				
<i>Surrogate: M6PFDA</i>	31.4		"	25.7		122	25-150				
<i>Surrogate: M7PFUdA</i>	30.9		"	25.7		120	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	29.7		"	25.7		116	25-150				
<i>Surrogate: M2PFTeDA</i>	24.0		"	25.7		93.6	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30893 - EPA 1633 Prep</b>											
<b>Blank (BG30893-BLK1) Blank</b>		Prepared: 07/17/2023 Analyzed: 07/20/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	73.7		ng/L	205		35.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.2		"	49.2		99.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	155		"	103		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	57.0		"	51.4		111	10-150				
Surrogate: d3-N-MeFOSAA	120		"	103		116	25-150				
Surrogate: d5-N-EtFOSAA	126		"	103		123	25-150				
Surrogate: M2-6:2 FTS	111		"	97.7		113	25-200				
Surrogate: M2-8:2 FTS	106		"	98.6		107	25-200				
Surrogate: M9PFNA	32.2		"	25.7		125	25-150				
Surrogate: M2-4:2 FTS	142		"	96.4		148	25-150				
Surrogate: d-N-MeFOSA	56.0		"	51.4		109	25-150				
Surrogate: d-N-EtFOSA	45.8		"	51.4		89.1	25-150				
Surrogate: M3HFPO-DA	305		"	205		149	25-150				
Surrogate: d9-N-EtFOSE	404		"	514		78.7	25-150				
Surrogate: d7-N-MeFOSE	491		"	514		95.5	25-150				
<b>LCS (BG30893-BS1) LCS</b>		Prepared: 07/17/2023 Analyzed: 07/20/2023									
Perfluorobutanesulfonic acid (PFBS)	67.5	3.61	ng/L	72.2		93.4	50-150				
Perfluorohexanoic acid (PFHxA)	76.3	4.08	"	81.6		93.5	50-150				
Perfluoroheptanoic acid (PFHpA)	58.6	4.08	"	81.6		71.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	62.4	3.73	"	74.7		83.6	50-150				
Perfluorooctanoic acid (PFOA)	73.7	4.08	"	81.6		90.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	57.2	3.79	"	75.9		75.3	50-150				
Perfluorononanoic acid (PFNA)	51.2	4.08	"	81.6		62.8	50-150				
Perfluorodecanoic acid (PFDA)	81.5	4.08	"	81.6		99.9	50-150				
Perfluoroundecanoic acid (PFUnA)	80.6	4.08	"	81.6		98.8	50-150				
Perfluorododecanoic acid (PFDoA)	73.2	4.08	"	81.6		89.7	50-150				
Perfluorotridecanoic acid (PFTrDA)	76.6	4.08	"	81.6		93.9	50-150				
Perfluorotetradecanoic acid (PFTA)	81.1	4.08	"	81.6		99.3	50-150				
N-MeFOSAA	100	4.08	"	81.6		123	50-150				
N-EtFOSAA	57.2	4.08	"	81.6		70.1	50-150				
Perfluoropentanoic acid (PFPeA)	153	8.16	"	163		93.4	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	73.8	4.08	"	81.6		90.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.3	3.90	"	77.9		87.6	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	59.2	3.94	"	78.7		75.2	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	434	15.5	"	310		140	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	293	15.7	"	313		93.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	295	16.3	"	326		90.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	155	7.26	"	145		107	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	147	8.16	"	163		90.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	107	8.16	"	163		65.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	152	8.16	"	163		93.2	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	74.6	3.84	"	76.7		97.3	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	322	15.3	"	306		105	50-150				
HFPO-DA (Gen-X)	137	16.3	"	163		83.8	50-150				
11CL-PF3OUdS	128	15.4	"	154		83.3	50-150				
9CL-PF3ONS	131	15.3	"	153		85.7	50-150				
ADONA	160	15.4	"	154		104	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30893 - EPA 1633 Prep

LCS (BG30893-BS1)	LCS	Prepared: 07/17/2023 Analyzed: 07/20/2023									
Perfluorododecanesulfonic acid (PFDoS)	61.4	3.96	ng/L	79.2		77.6	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	77.2	3.92	"	78.3		98.6	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1550	10.2	"	326		476	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1980	51.0	"	1630		121	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	290	51.0	"	1630		17.8	50-150	Low Bias			
N-MeFOSE	802	40.8	"	816		98.3	50-150				
N-MeFOSA	73.4	4.08	"	81.6		89.9	50-150				
N-EtFOSE	873	40.8	"	816		107	50-150				
N-EtFOSA	89.4	4.08	"	81.6		110	50-150				
Surrogate: M3PFBS	76.2		"	47.5		160	25-150				
Surrogate: M5PFHxA	84.2		"	51.0		165	25-150				
Surrogate: M4PFHpA	79.2		"	51.0		155	25-150				
Surrogate: M3PFHxS	83.3		"	48.3		172	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	71.4		"	51.0		140	25-150				
Surrogate: M6PFDA	31.7		"	25.5		124	25-150				
Surrogate: M7PFUdA	37.4		"	25.5		147	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	33.1		"	25.5		130	25-150				
Surrogate: M2PFTeDA	27.5		"	25.5		108	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.7		"	204		46.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	84.6		"	48.9		173	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	167		"	102		164	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	87.9		"	51.0		172	10-150				
Surrogate: d3-N-MeFOSAA	129		"	102		126	25-150				
Surrogate: d5-N-EtFOSAA	172		"	102		169	25-150				
Surrogate: M2-6:2 FTS	149		"	97.0		153	25-200				
Surrogate: M2-8:2 FTS	189		"	97.9		193	25-200				
Surrogate: M9PFNA	40.4		"	25.5		158	25-150				
Surrogate: M2-4:2 FTS	169		"	95.7		176	25-150				
Surrogate: d-N-MeFOSA	81.6		"	51.0		160	25-150				
Surrogate: d-N-EtFOSA	58.4		"	51.0		115	25-150				
Surrogate: M3HFPO-DA	321		"	204		157	25-150				
Surrogate: d9-N-EtFOSE	614		"	510		120	25-150				
Surrogate: d7-N-MeFOSE	700		"	510		137	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30893 - EPA 1633 Prep</b>												
<b>LCS (BG30893-BS2)</b>	<b>LCS</b>						Prepared: 07/17/2023 Analyzed: 07/20/2023					
Perfluorobutanesulfonic acid (PFBS)	12.4	3.62	ng/L	14.5		85.3	50-150					
Perfluorohexanoic acid (PFHxA)	13.3	4.10	"	16.4		80.9	50-150					
Perfluoroheptanoic acid (PFHpA)	9.96	4.10	"	16.4		60.8	50-150					
Perfluorohexanesulfonic acid (PFHxS)	11.3	3.75	"	15.0		75.5	50-150					
Perfluorooctanoic acid (PFOA)	14.9	4.10	"	16.4		91.2	50-150					
Perfluorooctanesulfonic acid (PFOS)	16.1	3.81	"	15.2		105	50-150					
Perfluorononanoic acid (PFNA)	13.1	4.10	"	16.4		80.1	50-150					
Perfluorodecanoic acid (PFDA)	16.5	4.10	"	16.4		101	50-150					
Perfluoroundecanoic acid (PFUnA)	18.7	4.10	"	16.4		114	50-150					
Perfluorododecanoic acid (PFDoA)	12.6	4.10	"	16.4		76.8	50-150					
Perfluorotridecanoic acid (PFTriDA)	15.0	4.10	"	16.4		91.5	50-150					
Perfluorotetradecanoic acid (PFTA)	14.9	4.10	"	16.4		90.9	50-150					
N-MeFOSAA	12.9	4.10	"	16.4		78.7	50-150					
N-EtFOSAA	8.00	4.10	"	16.4		48.8	50-150	Low Bias				
Perfluoropentanoic acid (PFPeA)	27.3	8.19	"	32.8		83.4	50-150					
Perfluoro-1-octanesulfonamide (FOSA)	13.9	4.10	"	16.4		85.1	50-150					
Perfluoro-1-heptanesulfonic acid (PFHpS)	17.5	3.91	"	15.6		112	50-150					
Perfluoro-1-decanesulfonic acid (PFDS)	13.8	3.95	"	15.8		87.3	50-150					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	75.3	15.6	"	62.3		121	50-150					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	78.8	15.7	"	62.9		125	50-150					
Perfluoro-n-butanoic acid (PFBA)	54.8	16.4	"	65.5		83.7	50-150					
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	29.9	7.29	"	29.2		102	50-150					
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	27.8	8.19	"	32.8		84.9	50-150					
Perfluoro-4-oxapentanoic acid (PFMPA)	22.8	8.19	"	32.8		69.6	50-150					
Perfluoro-5-oxahexanoic acid (PFMBA)	27.7	8.19	"	32.8		84.5	50-150					
Perfluoro-1-pentanesulfonate (PFPeS)	13.5	3.85	"	15.4		87.7	50-150					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	62.5	15.4	"	61.4		102	50-150					
HFPO-DA (Gen-X)	27.7	16.4	"	32.8		84.6	50-150					
11CL-PF3OUdS	23.4	15.5	"	31.0		75.5	50-150					
9CL-PF3ONS	22.7	15.3	"	30.6		74.1	50-150					
ADONA	29.2	15.5	"	31.0		94.4	50-150					
Perfluorododecanesulfonic acid (PFDoS)	18.0	3.97	"	15.9		113	50-150					
Perfluoro-1-nonanesulfonic acid (PFNS)	20.5	3.93	"	15.7		131	50-150					
3-Perfluoropropyl propanoic acid (FPrPA)	315	10.2	"	65.5		480	50-150	High Bias				
3-Perfluoropentyl propanoic acid (FPePA)	406	51.2	"	328		124	50-150					
3-Perfluoroheptyl propanoic acid (FHpPA)	56.3	51.2	"	328		17.2	50-150	Low Bias				
N-MeFOSE	148	41.0	"	164		90.6	50-150					
N-MeFOSA	16.7	4.10	"	16.4		102	50-150					
N-EtFOSE	155	41.0	"	164		94.3	50-150					
N-EtFOSA	19.6	4.10	"	16.4		119	50-150					
Surrogate: M3PFBS	73.0		"	47.7		153	25-150					
Surrogate: M5PFHxA	83.4		"	51.2		163	25-150					
Surrogate: M4PFHpA	80.0		"	51.2		156	25-150					
Surrogate: M3PFHxS	74.3		"	48.5		153	25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	67.2		"	51.2		131	25-150					
Surrogate: M6PFDA	31.1		"	25.6		122	25-150					
Surrogate: M7PFUdA	31.8		"	25.6		124	25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	29.2		"	25.6		114	25-150					
Surrogate: M2PFTeDA	25.8		"	25.6		101	10-150					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30893 - EPA 1633 Prep

LCS (BG30893-BS2)	LCS	Prepared: 07/17/2023 Analyzed: 07/20/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	130		ng/L	205		63.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.5		"	49.0		113	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	170		"	102		167	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	68.2		"	51.2		133	10-150				
Surrogate: d3-N-MeFOSAA	142		"	102		138	25-150				
Surrogate: d5-N-EtFOSAA	151		"	102		147	25-150				
Surrogate: M2-6:2 FTS	140		"	97.4		144	25-200				
Surrogate: M2-8:2 FTS	155		"	98.3		158	25-200				
Surrogate: M9PFNA	35.3		"	25.6		138	25-150				
Surrogate: M2-4:2 FTS	151		"	96.0		157	25-150				
Surrogate: d-N-MeFOSA	59.6		"	51.2		116	25-150				
Surrogate: d-N-EtFOSA	49.6		"	51.2		96.9	25-150				
Surrogate: M3HFPO-DA	319		"	205		156	25-150				
Surrogate: d9-N-EtFOSE	561		"	512		110	25-150				
Surrogate: d7-N-MeFOSE	605		"	512		118	25-150				

Duplicate (BG30893-DUP1)	Duplicate	*Source sample: 23G0525-02 (Duplicate)										Prepared: 07/17/2023 Analyzed: 07/20/2023	
Perfluorobutanesulfonic acid (PFBS)	0.608	1.75	ng/L		0.554				9.16	30			
Perfluorohexanoic acid (PFHxA)	2.51	1.98	"		3.68			37.9	30	Non-dir.			
Perfluoroheptanoic acid (PFHpA)	1.92	1.98	"		1.95			2.01	30				
Perfluorohexanesulfonic acid (PFHxS)	1.05	1.81	"		1.47			33.1	30	Non-dir.			
Perfluorooctanoic acid (PFOA)	6.17	1.98	"		5.84			5.61	30				
Perfluorooctanesulfonic acid (PFOS)	3.46	1.84	"		4.05			15.8	30				
Perfluorononanoic acid (PFNA)	2.93	1.98	"		3.12			6.55	30				
Perfluorodecanoic acid (PFDA)	ND	1.98	"		ND				30				
Perfluoroundecanoic acid (PFUnA)	ND	1.98	"		ND				30				
Perfluorododecanoic acid (PFDoA)	ND	1.98	"		ND				30				
Perfluorotridecanoic acid (PFTrDA)	ND	1.98	"		ND				30				
Perfluorotetradecanoic acid (PFTA)	ND	1.98	"		ND				30				
N-MeFOSAA	ND	1.98	"		ND				30				
N-EtFOSAA	ND	1.98	"		ND				30				
Perfluoropentanoic acid (PFPeA)	3.89	3.96	"		4.26			9.04	30				
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.98	"		ND				30				
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.89	"		ND				30				
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.91	"		ND				30				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.53	"		ND				30				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.61	"		ND				30				
Perfluoro-n-butanoic acid (PFBA)	3.15	7.93	"		3.33			5.56	30				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.53	"		ND				30				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.96	"		ND				30				
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.96	"		ND				30				
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.96	"		ND				30				
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.86	"		ND				30				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.43	"		ND				30				
HFPO-DA (Gen-X)	ND	7.93	"		ND				30				
11CL-PF3OUdS	ND	7.49	"		ND				30				
9CL-PF3ONS	ND	7.41	"		ND				30				
ADONA	ND	7.49	"		ND				30				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30893 - EPA 1633 Prep

Duplicate (BG30893-DUP1)	Duplicate	*Source sample: 23G0525-02 (Duplicate)				Prepared: 07/17/2023 Analyzed: 07/20/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.92	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.90	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.95	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.8	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.8	"	ND			30
N-MeFOSE	ND	19.8	"	ND			30
N-MeFOSA	ND	1.98	"	ND			30
N-EtFOSE	ND	19.8	"	ND			30
N-EtFOSA	ND	1.98	"	ND			30
Surrogate: M3PFBS	34.6		"	23.1	150	25-150	
Surrogate: M5PFHxA	44.7		"	24.8	180	25-150	
Surrogate: M4PFHpA	44.6		"	24.8	180	25-150	
Surrogate: M3PFHxS	37.9		"	23.5	162	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	34.4		"	24.8	139	25-150	
Surrogate: M6PFDA	16.4		"	12.4	132	25-150	
Surrogate: M7PFUdA	14.0		"	12.4	113	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5		"	12.4	101	25-150	
Surrogate: M2PFTeDA	6.61		"	12.4	53.4	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	35.9		"	99.1	36.3	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.6		"	23.7	129	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	85.9		"	49.5	173	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.5		"	24.8	167	10-150	
Surrogate: d3-N-MeFOSAA	59.2		"	49.5	120	25-150	
Surrogate: d5-N-EtFOSAA	66.4		"	49.5	134	25-150	
Surrogate: M2-6:2 FTS	80.7		"	47.1	171	25-200	
Surrogate: M2-8:2 FTS	56.8		"	47.6	119	25-200	
Surrogate: M9PFNA	16.4		"	12.4	133	25-150	
Surrogate: M2-4:2 FTS	80.7		"	46.5	174	25-150	
Surrogate: d-N-MeFOSA	30.4		"	24.8	123	25-150	
Surrogate: d-N-EtFOSA	15.6		"	24.8	62.9	25-150	
Surrogate: M3HFPO-DA	170		"	99.1	171	25-150	
Surrogate: d9-N-EtFOSE	154		"	248	62.0	25-150	
Surrogate: d7-N-MeFOSE	197		"	248	79.5	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30943 - EPA 1633 Prep</b>											
<b>Blank (BG30943-BLK1)</b>	<b>Blank</b>										Prepared: 07/18/2023 Analyzed: 07/20/2023
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.750	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.757	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.789	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.351	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.740	"								
HFPO-DA (Gen-X)	ND	0.789	"								
11CL-PF3OUdS	ND	0.746	"								
9CL-PF3ONS	ND	0.738	"								
ADONA	ND	0.746	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.986	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.93	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.93	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	2.73		"	2.30		119	25-150				
Surrogate: M5PFHxA	3.26		"	2.47		132	25-150				
Surrogate: M4PFHpA	2.64		"	2.47		107	25-150				
Surrogate: M3PFHxS	2.24		"	2.34		95.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.01		"	2.47		81.7	25-150				
Surrogate: M6PFDA	0.728		"	1.23		59.1	25-150				
Surrogate: M7PFUdA	0.774		"	1.23		62.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.615		"	1.23		49.9	25-150				
Surrogate: M2PFTeDA	0.549		"	1.23		44.5	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30943 - EPA 1633 Prep</b>											
<b>Blank (BG30943-BLK1) Blank</b>		Prepared: 07/18/2023 Analyzed: 07/20/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2		ug/kg wet	9.86		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.02		"	2.36		85.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.47		"	4.93		131	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.93		"	2.47		78.2	10-150				
Surrogate: d3-N-MeFOSAA	3.09		"	4.93		62.7	25-150				
Surrogate: d5-N-EtFOSAA	3.93		"	4.93		79.8	25-150				
Surrogate: M2-6:2 FTS	4.92		"	4.69		105	25-200				
Surrogate: M2-8:2 FTS	3.94		"	4.73		83.1	25-200				
Surrogate: M9PFNA	1.10		"	1.23		89.6	25-150				
Surrogate: M2-4:2 FTS	5.68		"	4.63		123	25-150				
Surrogate: d-N-MeFOSA	1.83		"	2.47		74.2	25-150				
Surrogate: d-N-EtFOSA	1.33		"	2.47		53.8	25-150				
Surrogate: M3HFPO-DA	11.6		"	9.86		117	25-150				
Surrogate: d9-N-EtFOSE	15.3		"	24.7		62.1	25-150				
Surrogate: d7-N-MeFOSE	17.9		"	24.7		72.5	25-150				
<b>LCS (BG30943-BS1) LCS</b>		Prepared: 07/18/2023 Analyzed: 07/20/2023									
Perfluorobutanesulfonic acid (PFBS)	5.13	0.175	ug/kg wet	3.49		147	50-150				
Perfluorohexanoic acid (PFHxA)	5.51	0.197	"	3.94		140	50-150				
Perfluoroheptanoic acid (PFHpA)	4.41	0.197	"	3.94		112	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.90	0.180	"	3.61		136	50-150				
Perfluorooctanoic acid (PFOA)	5.46	0.197	"	3.94		138	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.04	0.183	"	3.67		82.8	50-150				
Perfluorononanoic acid (PFNA)	3.35	0.197	"	3.94		84.9	50-150				
Perfluorodecanoic acid (PFDA)	6.71	0.197	"	3.94		170	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	6.42	0.197	"	3.94		163	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	7.06	0.197	"	3.94		179	50-150	High Bias			
Perfluorotridecanoic acid (PFTrDA)	6.30	0.197	"	3.94		160	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	5.46	0.197	"	3.94		138	50-150				
N-MeFOSAA	5.50	0.197	"	3.94		140	50-150				
N-EtFOSAA	4.54	0.197	"	3.94		115	50-150				
Perfluoropentanoic acid (PFPeA)	11.1	0.394	"	7.89		140	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.45	0.197	"	3.94		138	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.29	0.197	"	3.77		167	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.75	0.190	"	3.81		125	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	26.1	0.750	"	15.0		174	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	31.9	0.757	"	15.1		210	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	21.9	0.789	"	15.8		139	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	12.2	0.351	"	7.02		174	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	11.8	0.394	"	7.89		150	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	12.3	0.394	"	7.89		155	50-150	High Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	11.1	0.394	"	7.89		140	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.37	0.185	"	3.71		172	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	20.3	0.740	"	14.8		137	50-150				
HFPO-DA (Gen-X)	11.8	0.789	"	7.89		149	50-150				
11CL-PF3OUdS	6.82	0.746	"	7.46		91.4	50-150				
9CL-PF3ONS	7.16	0.738	"	7.38		97.1	50-150				
ADONA	12.1	0.746	"	7.46		162	50-150	High Bias			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30943 - EPA 1633 Prep

LCS (BG30943-BS1)	LCS	Prepared: 07/18/2023 Analyzed: 07/20/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.80	0.191	ug/kg wet	3.83		99.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.36	0.189	"	3.79		141	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	96.0	0.986	"	15.8		608	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	152	4.93	"	78.9		192	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	26.1	4.93	"	78.9		33.0	50-150	Low Bias			
N-MeFOSE	60.6	1.97	"	39.4		154	50-150	High Bias			
N-MeFOSA	6.73	0.197	"	3.94		171	50-150	High Bias			
N-EtFOSE	58.6	1.97	"	39.4		149	50-150				
N-EtFOSA	7.29	0.197	"	3.94		185	50-150	High Bias			
Surrogate: M3PFBS	2.23		"	2.30		97.2	25-150				
Surrogate: M5PFHxA	2.98		"	2.47		121	25-150				
Surrogate: M4PFHpA	2.92		"	2.47		118	25-150				
Surrogate: M3PFHxS	2.11		"	2.34		90.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.28		"	2.47		92.3	25-150				
Surrogate: M6PFDA	0.631		"	1.23		51.2	25-150				
Surrogate: M7PFUdA	0.726		"	1.23		58.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.529		"	1.23		42.9	25-150				
Surrogate: M2PFTeDA	0.605		"	1.23		49.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2		"	9.86		113	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.92		"	2.36		81.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.17		"	4.93		125	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.74		"	2.47		70.8	10-150				
Surrogate: d3-N-MeFOSAA	3.34		"	4.93		67.8	25-150				
Surrogate: d5-N-EtFOSAA	2.92		"	4.93		59.3	25-150				
Surrogate: M2-6:2 FTS	5.03		"	4.69		107	25-200				
Surrogate: M2-8:2 FTS	3.58		"	4.73		75.6	25-200				
Surrogate: M9PFNA	1.51		"	1.23		123	25-150				
Surrogate: M2-4:2 FTS	6.17		"	4.63		133	25-150				
Surrogate: d-N-MeFOSA	1.77		"	2.47		71.9	25-150				
Surrogate: d-N-EtFOSA	1.33		"	2.47		53.8	25-150				
Surrogate: M3HFPO-DA	11.7		"	9.86		118	25-150				
Surrogate: d9-N-EtFOSE	15.3		"	24.7		62.0	25-150				
Surrogate: d7-N-MeFOSE	16.7		"	24.7		67.7	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30943 - EPA 1633 Prep</b>											
<b>LCS (BG30943-BS2)</b>	<b>LCS</b>	Prepared: 07/18/2023 Analyzed: 07/20/2023									
Perfluorobutanesulfonic acid (PFBS)	0.591	0.174	ug/kg wet	0.697		84.8	50-150				
Perfluorohexanoic acid (PFHxA)	0.692	0.197	"	0.787		87.9	50-150				
Perfluoroheptanoic acid (PFHpA)	0.445	0.197	"	0.787		56.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.720	0.180	"	0.720		99.9	50-150				
Perfluorooctanoic acid (PFOA)	0.632	0.197	"	0.787		80.3	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.462	0.183	"	0.732		63.1	50-150				
Perfluorononanoic acid (PFNA)	0.884	0.197	"	0.787		112	50-150				
Perfluorodecanoic acid (PFDA)	0.881	0.197	"	0.787		112	50-150				
Perfluoroundecanoic acid (PFUnA)	0.963	0.197	"	0.787		122	50-150				
Perfluorododecanoic acid (PFDoA)	0.804	0.197	"	0.787		102	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.797	0.197	"	0.787		101	50-150				
Perfluorotetradecanoic acid (PFTA)	0.794	0.197	"	0.787		101	50-150				
N-MeFOSAA	0.852	0.197	"	0.787		108	50-150				
N-EtFOSAA	0.693	0.197	"	0.787		88.0	50-150				
Perfluoropentanoic acid (PFPeA)	1.47	0.394	"	1.57		93.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.770	0.197	"	0.787		97.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.611	0.197	"	0.752		81.3	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.445	0.190	"	0.760		58.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.03	0.748	"	2.99		101	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	6.16	0.756	"	3.02		204	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	2.72	0.787	"	3.15		86.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.67	0.350	"	1.40		119	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.43	0.394	"	1.57		90.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.67	0.394	"	1.57		106	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.45	0.394	"	1.57		92.0	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.909	0.185	"	0.740		123	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	2.91	0.738	"	2.95		98.6	50-150				
HFPO-DA (Gen-X)	1.41	0.787	"	1.57		89.7	50-150				
11CL-PF3OUdS	0.911	0.744	"	1.49		61.2	50-150				
9CL-PF3ONS	0.922	0.736	"	1.47		62.6	50-150				
ADONA	1.58	0.744	"	1.49		106	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.276	0.191	"	0.764		36.2	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	0.548	0.189	"	0.756		72.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	13.1	0.984	"	3.15		414	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	21.7	4.92	"	15.7		138	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	3.58	4.92	"	15.7		22.8	50-150	Low Bias			
N-MeFOSE	7.68	1.97	"	7.87		97.5	50-150				
N-MeFOSA	0.661	0.197	"	0.787		83.9	50-150				
N-EtFOSE	7.39	1.97	"	7.87		93.9	50-150				
N-EtFOSA	0.510	0.197	"	0.787		64.8	50-150				
Surrogate: M3PFBS	2.54		"	2.29		111	25-150				
Surrogate: M5PFHxA	3.05		"	2.46		124	25-150				
Surrogate: M4PFHpA	3.05		"	2.46		124	25-150				
Surrogate: M3PFHxS	2.28		"	2.33		97.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.22		"	2.46		90.2	25-150				
Surrogate: M6PFDA	0.853		"	1.23		69.3	25-150				
Surrogate: M7PFUdA	0.713		"	1.23		57.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.710		"	1.23		57.7	25-150				
Surrogate: M2PFTeDA	0.634		"	1.23		51.5	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30943 - EPA 1633 Prep

LCS (BG30943-BS2)	LCS	Prepared: 07/18/2023 Analyzed: 07/20/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.5		ug/kg wet	9.84		117	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.24		"	2.36		94.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.50		"	4.92		132	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.32		"	2.46		53.7	10-150				
Surrogate: d3-N-MeFOSAA	2.97		"	4.92		60.4	25-150				
Surrogate: d5-N-EtFOSAA	3.04		"	4.92		61.7	25-150				
Surrogate: M2-6:2 FTS	4.96		"	4.68		106	25-200				
Surrogate: M2-8:2 FTS	2.93		"	4.72		62.1	25-200				
Surrogate: M9PFNA	0.724		"	1.23		58.9	25-150				
Surrogate: M2-4:2 FTS	5.50		"	4.62		119	25-150				
Surrogate: d-N-MeFOSA	1.62		"	2.46		65.9	25-150				
Surrogate: d-N-EtFOSA	1.38		"	2.46		56.1	25-150				
Surrogate: M3HFPO-DA	11.6		"	9.84		118	25-150				
Surrogate: d9-N-EtFOSE	14.7		"	24.6		59.8	25-150				
Surrogate: d7-N-MeFOSE	14.5		"	24.6		59.1	25-150				

Duplicate (BG30943-DUP1)	Duplicate	*Source sample: 23G0731-03 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	0.192	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	0.0995	0.217	"		0.110				9.97		30
Perfluoroheptanoic acid (PFHpA)	ND	0.217	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.199	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.217	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.202	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.217	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	0.217	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.217	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.217	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	0.217	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.217	"		ND						30
N-MeFOSAA	ND	0.217	"		ND						30
N-EtFOSAA	ND	0.217	"		ND						30
Perfluoropentanoic acid (PFPeA)	0.149	0.434	"		0.184				21.4		30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.217	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.217	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.210	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.826	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.834	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	0.869	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.387	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.434	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.434	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.434	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.204	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.815	"		ND						30
HFPO-DA (Gen-X)	ND	0.869	"		ND						30
11CL-PF3OUdS	ND	0.821	"		ND						30
9CL-PF3ONS	ND	0.812	"		ND						30
ADONA	ND	0.821	"		ND						30



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30943 - EPA 1633 Prep

Duplicate (BG30943-DUP1)	Duplicate	*Source sample: 23G0731-03 (Duplicate)				Prepared: 07/18/2023 Analyzed: 07/20/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	0.211	ug/kg dry	ND	ND		30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.209	"	ND	ND		30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.09	"	ND	ND		30
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.43	"	ND	ND		30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.43	"	ND	ND		30
N-MeFOSE	ND	2.17	"	ND	ND		30
N-MeFOSA	ND	0.217	"	ND	ND		30
N-EtFOSE	ND	2.17	"	ND	ND		30
N-EtFOSA	ND	0.217	"	ND	ND		30
Surrogate: M3PFBS	3.15		"	2.53	124	25-150	
Surrogate: M5PFHxA	3.58		"	2.72	132	25-150	
Surrogate: M4PFHpA	3.33		"	2.72	123	25-150	
Surrogate: M3PFHxS	3.06		"	2.57	119	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.70		"	2.72	99.4	25-150	
Surrogate: M6PFDA	1.04		"	1.36	76.8	25-150	
Surrogate: M7PFUdA	0.803		"	1.36	59.1	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.910		"	1.36	67.0	25-150	
Surrogate: M2PFTeDA	0.854		"	1.36	62.9	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.6		"	10.9	116	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.29		"	2.60	88.2	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	7.34		"	5.43	135	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.99		"	2.72	73.3	10-150	
Surrogate: d3-N-MeFOSAA	4.29		"	5.43	79.0	25-150	
Surrogate: d5-N-EtFOSAA	5.04		"	5.43	92.7	25-150	
Surrogate: M2-6:2 FTS	6.55		"	5.16	127	25-200	
Surrogate: M2-8:2 FTS	5.95		"	5.21	114	25-200	
Surrogate: M9PFNA	1.55		"	1.36	114	25-150	
Surrogate: M2-4:2 FTS	7.55		"	5.09	148	25-150	
Surrogate: d-N-MeFOSA	1.73		"	2.72	63.9	25-150	
Surrogate: d-N-EtFOSA	1.54		"	2.72	56.6	25-150	
Surrogate: M3HFPO-DA	13.5		"	10.9	125	25-150	
Surrogate: d9-N-EtFOSE	20.5		"	27.2	75.4	25-150	
Surrogate: d7-N-MeFOSE	22.4		"	27.2	82.5	25-150	



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30836 - EPA 3550C**

Blank (BG30836-BLK1)	Blank	Prepared: 07/17/2023 Analyzed: 07/18/2023									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0526		"	0.0664		79.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0398		"	0.0664		59.8	30-150				

LCS (BG30836-BS1)	LCS	Prepared: 07/17/2023 Analyzed: 07/18/2023									
4,4'-DDD	0.0173	0.00164	mg/kg wet	0.0332		52.1	40-140				
4,4'-DDE	0.0168	0.00164	"	0.0332		50.5	40-140				
4,4'-DDT	0.0155	0.00164	"	0.0332		46.7	40-140				
Aldrin	0.0160	0.00164	"	0.0332		48.0	40-140				
alpha-BHC	0.0153	0.00164	"	0.0332		45.9	40-140				
alpha-Chlordane	0.0182	0.00164	"	0.0332		54.7	40-140				
beta-BHC	0.0148	0.00164	"	0.0332		44.6	40-140				
delta-BHC	0.0144	0.00164	"	0.0332		43.3	40-140				
Dieldrin	0.0175	0.00164	"	0.0332		52.6	40-140				
Endosulfan I	0.0181	0.00164	"	0.0332		54.4	40-140				
Endosulfan II	0.0181	0.00164	"	0.0332		54.6	40-140				
Endosulfan sulfate	0.0173	0.00164	"	0.0332		52.1	40-140				
Endrin	0.0166	0.00164	"	0.0332		50.1	40-140				
Endrin aldehyde	0.0173	0.00164	"	0.0332		52.1	40-140				
Endrin ketone	0.0178	0.00164	"	0.0332		53.6	40-140				
gamma-BHC (Lindane)	0.0155	0.00164	"	0.0332		46.6	40-140				
gamma-Chlordane	0.0173	0.00164	"	0.0332		52.1	40-140				
Heptachlor	0.0162	0.00164	"	0.0332		48.7	40-140				
Heptachlor epoxide	0.0181	0.00164	"	0.0332		54.3	40-140				
Methoxychlor	0.0187	0.00164	"	0.0332		56.2	40-140				

Surrogate: Decachlorobiphenyl	0.0501		"	0.0664		75.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0355		"	0.0664		53.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30836 - EPA 3550C

Matrix Spike (BG30836-MS1)	Matrix Spike	*Source sample: 23G0205-01 (Matrix Spike)					Prepared: 07/17/2023 Analyzed: 07/20/2023				
4,4'-DDD	0.0249	0.00184	mg/kg dry	0.0372	ND	66.8	30-150				
4,4'-DDE	0.0266	0.00184	"	0.0372	0.00289	63.7	30-150				
4,4'-DDT	0.0301	0.00184	"	0.0372	0.00367	71.0	30-150				
Aldrin	0.0259	0.00184	"	0.0372	ND	69.6	30-150				
alpha-BHC	0.0253	0.00184	"	0.0372	ND	68.0	30-150				
alpha-Chlordane	0.0257	0.00184	"	0.0372	ND	69.1	30-150				
beta-BHC	0.0260	0.00184	"	0.0372	ND	69.7	30-150				
delta-BHC	0.0237	0.00184	"	0.0372	ND	63.7	30-150				
Dieldrin	0.0267	0.00184	"	0.0372	ND	71.8	30-150				
Endosulfan I	0.0241	0.00184	"	0.0372	ND	64.7	30-150				
Endosulfan II	0.0285	0.00184	"	0.0372	ND	76.6	30-150				
Endosulfan sulfate	0.0307	0.00184	"	0.0372	ND	82.6	30-150				
Endrin	0.0275	0.00184	"	0.0372	ND	73.7	30-150				
Endrin aldehyde	0.0481	0.00184	"	0.0372	ND	129	30-150				
Endrin ketone	0.0290	0.00184	"	0.0372	ND	77.9	30-150				
gamma-BHC (Lindane)	0.0260	0.00184	"	0.0372	ND	69.8	30-150				
gamma-Chlordane	0.0337	0.00184	"	0.0372	0.0150	50.3	30-150				
Heptachlor	0.0276	0.00184	"	0.0372	ND	74.1	30-150				
Heptachlor epoxide	0.0273	0.00184	"	0.0372	ND	73.4	30-150				
Methoxychlor	0.0330	0.00184	"	0.0372	ND	88.8	30-150				
Surrogate: Decachlorobiphenyl	0.0553		"	0.0744		74.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0148		"	0.0744		19.9	30-150				

Matrix Spike Dup (BG30836-1)	Matrix Spike Dup	*Source sample: 23G0205-01 (Matrix Spike Dup)					Prepared: 07/17/2023 Analyzed: 07/20/2023				
4,4'-DDD	0.0267	0.00184	mg/kg dry	0.0372	ND	71.9	30-150	7.31	30		
4,4'-DDE	0.0278	0.00184	"	0.0372	0.00289	66.8	30-150	4.23	30		
4,4'-DDT	0.0321	0.00184	"	0.0372	0.00367	76.3	30-150	6.38	30		
Aldrin	0.0258	0.00184	"	0.0372	ND	69.2	30-150	0.577	30		
alpha-BHC	0.0262	0.00184	"	0.0372	ND	70.5	30-150	3.63	30		
alpha-Chlordane	0.0269	0.00184	"	0.0372	ND	72.2	30-150	4.25	30		
beta-BHC	0.0263	0.00184	"	0.0372	ND	70.6	30-150	1.30	30		
delta-BHC	0.0246	0.00184	"	0.0372	ND	66.1	30-150	3.81	30		
Dieldrin	0.0283	0.00184	"	0.0372	ND	75.9	30-150	5.60	30		
Endosulfan I	0.0273	0.00184	"	0.0372	ND	73.4	30-150	12.6	30		
Endosulfan II	0.0298	0.00184	"	0.0372	ND	80.0	30-150	4.31	30		
Endosulfan sulfate	0.0310	0.00184	"	0.0372	ND	83.2	30-150	0.784	30		
Endrin	0.0295	0.00184	"	0.0372	ND	79.3	30-150	7.32	30		
Endrin aldehyde	0.0370	0.00184	"	0.0372	ND	99.4	30-150	26.1	30		
Endrin ketone	0.0311	0.00184	"	0.0372	ND	83.5	30-150	6.96	30		
gamma-BHC (Lindane)	0.0270	0.00184	"	0.0372	ND	72.5	30-150	3.73	30		
gamma-Chlordane	0.0344	0.00184	"	0.0372	0.0150	52.3	30-150	2.20	30		
Heptachlor	0.0280	0.00184	"	0.0372	ND	75.3	30-150	1.66	30		
Heptachlor epoxide	0.0278	0.00184	"	0.0372	ND	74.6	30-150	1.58	30		
Methoxychlor	0.0245	0.00184	"	0.0372	ND	65.8	30-150	29.8	30		
Surrogate: Decachlorobiphenyl	0.0587		"	0.0744		78.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0147		"	0.0744		19.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30876 - EPA 3550C

Blank (BG30876-BLK1)	Blank	Prepared: 07/17/2023 Analyzed: 07/18/2023									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0562		"	0.0664		84.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0431		"	0.0664		64.8	30-150				

LCS (BG30876-BS1)	LCS	Prepared: 07/17/2023 Analyzed: 07/18/2023									
4,4'-DDD	0.0248	0.00164	mg/kg wet	0.0332		74.6	40-140				
4,4'-DDE	0.0233	0.00164	"	0.0332		70.2	40-140				
4,4'-DDT	0.0228	0.00164	"	0.0332		68.6	40-140				
Aldrin	0.0227	0.00164	"	0.0332		68.4	40-140				
alpha-BHC	0.0233	0.00164	"	0.0332		70.2	40-140				
alpha-Chlordane	0.0234	0.00164	"	0.0332		70.4	40-140				
beta-BHC	0.0230	0.00164	"	0.0332		69.3	40-140				
delta-BHC	0.0230	0.00164	"	0.0332		69.2	40-140				
Dieldrin	0.0240	0.00164	"	0.0332		72.2	40-140				
Endosulfan I	0.0245	0.00164	"	0.0332		73.9	40-140				
Endosulfan II	0.0248	0.00164	"	0.0332		74.8	40-140				
Endosulfan sulfate	0.0237	0.00164	"	0.0332		71.5	40-140				
Endrin	0.0246	0.00164	"	0.0332		73.9	40-140				
Endrin aldehyde	0.0247	0.00164	"	0.0332		74.3	40-140				
Endrin ketone	0.0236	0.00164	"	0.0332		70.9	40-140				
gamma-BHC (Lindane)	0.0231	0.00164	"	0.0332		69.5	40-140				
gamma-Chlordane	0.0231	0.00164	"	0.0332		69.6	40-140				
Heptachlor	0.0228	0.00164	"	0.0332		68.6	40-140				
Heptachlor epoxide	0.0242	0.00164	"	0.0332		72.9	40-140				
Methoxychlor	0.0256	0.00164	"	0.0332		77.2	40-140				

Surrogate: Decachlorobiphenyl	0.0533		"	0.0664		80.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0435		"	0.0664		65.5	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30876 - EPA 3550C

Matrix Spike (BG30876-MS1)	Matrix Spike	*Source sample: 23G0812-09 (RIB09_10-12)						Prepared: 07/17/2023 Analyzed: 07/20/2023			
4,4'-DDD	0.0364	0.00192	mg/kg dry	0.0389	ND	93.7	30-150				
4,4'-DDE	0.0284	0.00192	"	0.0389	ND	73.1	30-150				
4,4'-DDT	0.0318	0.00192	"	0.0389	ND	81.9	30-150				
Aldrin	0.0329	0.00192	"	0.0389	ND	84.7	30-150				
alpha-BHC	0.0321	0.00192	"	0.0389	ND	82.5	30-150				
alpha-Chlordane	0.0323	0.00192	"	0.0389	ND	83.2	30-150				
beta-BHC	0.0260	0.00192	"	0.0389	ND	66.8	30-150				
delta-BHC	0.0303	0.00192	"	0.0389	ND	77.8	30-150				
Dieldrin	0.0344	0.00192	"	0.0389	ND	88.6	30-150				
Endosulfan I	0.0356	0.00192	"	0.0389	ND	91.6	30-150				
Endosulfan II	0.0355	0.00192	"	0.0389	ND	91.3	30-150				
Endosulfan sulfate	0.0318	0.00192	"	0.0389	ND	81.7	30-150				
Endrin	0.0341	0.00192	"	0.0389	ND	87.7	30-150				
Endrin aldehyde	0.0342	0.00192	"	0.0389	ND	88.1	30-150				
Endrin ketone	0.0369	0.00192	"	0.0389	ND	95.0	30-150				
gamma-BHC (Lindane)	0.0324	0.00192	"	0.0389	ND	83.3	30-150				
gamma-Chlordane	0.0306	0.00192	"	0.0389	ND	78.6	30-150				
Heptachlor	0.0321	0.00192	"	0.0389	ND	82.7	30-150				
Heptachlor epoxide	0.0345	0.00192	"	0.0389	ND	88.8	30-150				
Methoxychlor	0.0248	0.00192	"	0.0389	ND	63.9	30-150				
Surrogate: Decachlorobiphenyl	0.0731		"	0.0777		94.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0587		"	0.0777		75.5	30-150				

Matrix Spike Dup (BG30876-1)	Matrix Spike Dup	*Source sample: 23G0812-09 (RIB09_10-12)						Prepared: 07/17/2023 Analyzed: 07/20/2023			
4,4'-DDD	0.0386	0.00192	mg/kg dry	0.0389	ND	99.4	30-150	5.97	30		
4,4'-DDE	0.0322	0.00192	"	0.0389	ND	83.0	30-150	12.7	30		
4,4'-DDT	0.0318	0.00192	"	0.0389	ND	81.7	30-150	0.220	30		
Aldrin	0.0360	0.00192	"	0.0389	ND	92.7	30-150	9.03	30		
alpha-BHC	0.0356	0.00192	"	0.0389	ND	91.7	30-150	10.5	30		
alpha-Chlordane	0.0357	0.00192	"	0.0389	ND	92.0	30-150	10.0	30		
beta-BHC	0.0302	0.00192	"	0.0389	ND	77.6	30-150	15.0	30		
delta-BHC	0.0335	0.00192	"	0.0389	ND	86.1	30-150	10.1	30		
Dieldrin	0.0367	0.00192	"	0.0389	ND	94.4	30-150	6.34	30		
Endosulfan I	0.0382	0.00192	"	0.0389	ND	98.3	30-150	7.08	30		
Endosulfan II	0.0376	0.00192	"	0.0389	ND	96.8	30-150	5.80	30		
Endosulfan sulfate	0.0342	0.00192	"	0.0389	ND	88.0	30-150	7.45	30		
Endrin	0.0365	0.00192	"	0.0389	ND	94.0	30-150	6.90	30		
Endrin aldehyde	0.0364	0.00192	"	0.0389	ND	93.6	30-150	6.10	30		
Endrin ketone	0.0370	0.00192	"	0.0389	ND	95.3	30-150	0.300	30		
gamma-BHC (Lindane)	0.0355	0.00192	"	0.0389	ND	91.5	30-150	9.30	30		
gamma-Chlordane	0.0340	0.00192	"	0.0389	ND	87.4	30-150	10.6	30		
Heptachlor	0.0349	0.00192	"	0.0389	ND	89.9	30-150	8.36	30		
Heptachlor epoxide	0.0377	0.00192	"	0.0389	ND	96.9	30-150	8.72	30		
Methoxychlor	0.0365	0.00192	"	0.0389	ND	94.0	30-150	38.1	30	Non-dir.	
Surrogate: Decachlorobiphenyl	0.0799		"	0.0777		103	30-150				
Surrogate: Tetrachloro-m-xylene	0.0681		"	0.0777		87.7	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30890 - EPA SW846-3510C Low Level**

Blank (BG30890-BLK1)	Blank	Prepared & Analyzed: 07/18/2023									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								

Surrogate: Decachlorobiphenyl	0.151		"	0.200		75.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.111		"	0.200		55.7	30-150				

LCS (BG30890-BS1)	LCS	Prepared & Analyzed: 07/18/2023									
4,4'-DDD	0.0575	0.00400	ug/L	0.100		57.5	40-140				20
4,4'-DDE	0.0540	0.00400	"	0.100		54.0	40-140				20
4,4'-DDT	0.0640	0.00400	"	0.100		64.0	40-140				20
Aldrin	0.0470	0.00400	"	0.100		47.0	40-140				20
alpha-BHC	0.0516	0.00400	"	0.100		51.6	40-140				20
alpha-Chlordane	0.0511	0.00400	"	0.100		51.1	40-140				20
beta-BHC	0.0583	0.00400	"	0.100		58.3	40-140				20
delta-BHC	0.0536	0.00400	"	0.100		53.6	40-140				20
Dieldrin	0.0575	0.00200	"	0.100		57.5	40-140				20
Endosulfan I	0.0568	0.00400	"	0.100		56.8	40-140				20
Endosulfan II	0.0597	0.00400	"	0.100		59.7	40-140				20
Endosulfan sulfate	0.0564	0.00400	"	0.100		56.4	40-140				20
Endrin	0.0623	0.00400	"	0.100		62.3	40-140				20
Endrin aldehyde	0.0664	0.0100	"	0.100		66.4	40-140				20
Endrin ketone	0.0630	0.0100	"	0.100		63.0	40-140				20
gamma-BHC (Lindane)	0.0545	0.00400	"	0.100		54.5	40-140				20
gamma-Chlordane	0.0496	0.0100	"	0.100		49.6	40-140				20
Heptachlor	0.0589	0.00400	"	0.100		58.9	40-140				20
Heptachlor epoxide	0.0585	0.00400	"	0.100		58.5	40-140				20
Methoxychlor	0.0718	0.00400	"	0.100		71.8	40-140				20

Surrogate: Decachlorobiphenyl	0.128		"	0.200		64.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0972		"	0.200		48.6	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30890 - EPA SW846-3510C Low Level</b>											
<b>LCS Dup (BG30890-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/18/2023		
4,4'-DDD	0.0637	0.00400	ug/L	0.100		63.7	40-140		10.1	20	
4,4'-DDE	0.0603	0.00400	"	0.100		60.3	40-140		11.1	20	
4,4'-DDT	0.0735	0.00400	"	0.100		73.5	40-140		13.9	20	
Aldrin	0.0524	0.00400	"	0.100		52.4	40-140		10.8	20	
alpha-BHC	0.0581	0.00400	"	0.100		58.1	40-140		11.9	20	
alpha-Chlordane	0.0565	0.00400	"	0.100		56.5	40-140		10.0	20	
beta-BHC	0.0675	0.00400	"	0.100		67.5	40-140		14.6	20	
delta-BHC	0.0612	0.00400	"	0.100		61.2	40-140		13.2	20	
Dieldrin	0.0659	0.00200	"	0.100		65.9	40-140		13.6	20	
Endosulfan I	0.0641	0.00400	"	0.100		64.1	40-140		12.1	20	
Endosulfan II	0.0677	0.00400	"	0.100		67.7	40-140		12.5	20	
Endosulfan sulfate	0.0640	0.00400	"	0.100		64.0	40-140		12.7	20	
Endrin	0.0719	0.00400	"	0.100		71.9	40-140		14.3	20	
Endrin aldehyde	0.0760	0.0100	"	0.100		76.0	40-140		13.4	20	
Endrin ketone	0.0763	0.0100	"	0.100		76.3	40-140		19.1	20	
gamma-BHC (Lindane)	0.0624	0.00400	"	0.100		62.4	40-140		13.5	20	
gamma-Chlordane	0.0570	0.0100	"	0.100		57.0	40-140		14.0	20	
Heptachlor	0.0650	0.00400	"	0.100		65.0	40-140		9.85	20	
Heptachlor epoxide	0.0672	0.00400	"	0.100		67.2	40-140		13.9	20	
Methoxychlor	0.0823	0.00400	"	0.100		82.3	40-140		13.6	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.144</i>		<i>"</i>	<i>0.200</i>		<i>72.1</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.117</i>		<i>"</i>	<i>0.200</i>		<i>58.3</i>	<i>30-150</i>				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30836 - EPA 3550C</b>											
<b>Blank (BG30836-BLK2)</b>		<b>Blank</b>							Prepared & Analyzed: 07/17/2023		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0475		"	0.0664		71.5	30-120				
Surrogate: Decachlorobiphenyl	0.0312		"	0.0664		47.0	30-120				
<b>LCS (BG30836-BS2)</b>		<b>LCS</b>							Prepared & Analyzed: 07/17/2023		
Aroclor 1016	0.243	0.0166	mg/kg wet	0.332		73.2	40-130				
Aroclor 1260	0.241	0.0166	"	0.332		72.6	40-130				
Surrogate: Tetrachloro-m-xylene	0.0508		"	0.0664		76.5	30-120				
Surrogate: Decachlorobiphenyl	0.0452		"	0.0664		68.0	30-120				
<b>Matrix Spike (BG30836-MS2)</b>		<b>Matrix Spike</b>							*Source sample: 23G0205-01 (Matrix Spike) Prepared: 07/17/2023 Analyzed: 07/18/2023		
Aroclor 1016	0.145	0.0186	mg/kg dry	0.372	ND	39.0	40-140	Low Bias			
Aroclor 1260	0.159	0.0186	"	0.372	ND	42.7	40-140				
Surrogate: Tetrachloro-m-xylene	0.0469		"	0.0744		63.0	30-120				
Surrogate: Decachlorobiphenyl	0.0272		"	0.0744		36.5	30-120				
<b>Matrix Spike Dup (BG30836-MS2)</b>		<b>Matrix Spike Dup</b>							*Source sample: 23G0205-01 (Matrix Spike Dup) Prepared: 07/17/2023 Analyzed: 07/18/2023		
Aroclor 1016	0.108	0.0186	mg/kg dry	0.372	ND	29.0	40-140	Low Bias	29.5	50	
Aroclor 1260	0.149	0.0186	"	0.372	ND	40.2	40-140		6.13	50	
Surrogate: Tetrachloro-m-xylene	0.0503		"	0.0744		67.5	30-120				
Surrogate: Decachlorobiphenyl	0.0309		"	0.0744		41.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30876 - EPA 3550C</b>											
<b>Blank (BG30876-BLK2)</b>		<b>Blank</b>							Prepared: 07/17/2023 Analyzed: 07/18/2023		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0545		"	0.0664		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.0395		"	0.0664		59.5	30-120				
<b>LCS (BG30876-BS2)</b>		<b>LCS</b>							Prepared: 07/17/2023 Analyzed: 07/18/2023		
Aroclor 1016	0.274	0.0166	mg/kg wet	0.332		82.6	40-130				
Aroclor 1260	0.255	0.0166	"	0.332		76.9	40-130				
Surrogate: Tetrachloro-m-xylene	0.0575		"	0.0664		86.5	30-120				
Surrogate: Decachlorobiphenyl	0.0369		"	0.0664		55.5	30-120				
<b>Matrix Spike (BG30876-MS2)</b>		<b>Matrix Spike</b>		<b>*Source sample: 23G0812-09 (RIB09_10-12)</b>				Prepared: 07/17/2023 Analyzed: 07/18/2023			
Aroclor 1016	0.278	0.0194	mg/kg dry	0.389	ND	71.6	40-140				
Aroclor 1260	0.257	0.0194	"	0.389	ND	66.1	40-140				
Surrogate: Tetrachloro-m-xylene	0.0626		"	0.0777		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0447		"	0.0777		57.5	30-120				
<b>Matrix Spike Dup (BG30876-MS2)</b>		<b>Matrix Spike Dup</b>		<b>*Source sample: 23G0812-09 (RIB09_10-12)</b>				Prepared: 07/17/2023 Analyzed: 07/18/2023			
Aroclor 1016	0.296	0.0194	mg/kg dry	0.389	ND	76.2	40-140		6.25	50	
Aroclor 1260	0.280	0.0194	"	0.389	ND	72.1	40-140		8.74	50	
Surrogate: Tetrachloro-m-xylene	0.0637		"	0.0777		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.0478		"	0.0777		61.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30890 - EPA SW846-3510C Low Level</b>												
<b>Blank (BG30890-BLK2)</b>	<b>Blank</b>								Prepared & Analyzed: 07/18/2023			
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.149		"	0.200		74.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.109		"	0.200		54.5	30-120					
<b>LCS (BG30890-BS2)</b>	<b>LCS</b>								Prepared & Analyzed: 07/18/2023			
Aroclor 1016	0.743	0.0500	ug/L	1.00		74.3	40-120					
Aroclor 1260	0.628	0.0500	"	1.00		62.8	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.128		"	0.200		64.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0960		"	0.200		48.0	30-120					
<b>LCS Dup (BG30890-BSD2)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/18/2023			
Aroclor 1016	0.944	0.0500	ug/L	1.00		94.4	40-120	23.9	30			
Aroclor 1260	0.844	0.0500	"	1.00		84.4	40-120	29.3	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.155		"	0.200		77.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.132		"	0.200		66.0	30-120					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30877 - EPA 3550C/8151A**

<b>Blank (BG30877-BLK1)</b>		<b>Blank</b>		Prepared: 07/17/2023 Analyzed: 07/18/2023							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.381	"	0.415		91.8	21-150				

<b>LCS (BG30877-BS1)</b>		<b>LCS</b>		Prepared: 07/17/2023 Analyzed: 07/18/2023							
2,4,5-T	0.114	0.0199	mg/kg wet	0.133		85.6	10-120				
2,4,5-TP (Silvex)	0.109	0.0199	"	0.133		81.9	10-120				
2,4-D	0.122	0.0199	"	0.133		91.9	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.353	"	0.415		85.0	21-150				

<b>Matrix Spike (BG30877-MS1)</b>		<b>Matrix Spike</b>		<b>*Source sample: 23G0812-09 (RIB09_10-12)</b>		Prepared: 07/17/2023 Analyzed: 07/18/2023					
2,4,5-T	0.116	0.0233	mg/kg dry	0.155	ND	74.4	10-120				
2,4,5-TP (Silvex)	0.109	0.0233	"	0.155	ND	70.0	10-120				
2,4-D	0.124	0.0233	"	0.155	ND	80.0	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.385	"	0.486		79.2	21-150				

<b>Matrix Spike Dup (BG30877-1)</b>		<b>Matrix Spike Dup</b>		<b>*Source sample: 23G0812-09 (RIB09_10-12)</b>		Prepared: 07/17/2023 Analyzed: 07/18/2023					
2,4,5-T	0.102	0.0233	mg/kg dry	0.155	ND	65.6	10-120		12.5	35	
2,4,5-TP (Silvex)	0.0845	0.0233	"	0.155	ND	54.4	10-120		25.1	35	
2,4-D	0.112	0.0233	"	0.155	ND	71.9	10-118		10.7	35	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.393	"	0.486		81.0	21-150				

**Batch BG30953 - EPA 8151A**

<b>Blank (BG30953-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 07/18/2023							
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		59.5	"	125		47.6	30-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30953 - EPA 8151A</b>												
<b>LCS (BG30953-BS1)</b>	<b>LCS</b>						Prepared & Analyzed: 07/18/2023					
2,4,5-T	19.2	5.00	ug/L	40.0		48.1	10-140					
2,4,5-TP (Silvex)	18.5	5.00	"	40.0		46.2	10-139					
2,4-D	23.5	5.00	"	40.0		58.8	10-140					
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	62.2		"	125		49.8	30-150					
<b>LCS Dup (BG30953-BSD1)</b>	<b>LCS Dup</b>						Prepared: 07/18/2023 Analyzed: 07/19/2023					
2,4,5-T	21.8	5.00	ug/L	40.0		54.4	10-140		12.2	30		
2,4,5-TP (Silvex)	20.8	5.00	"	40.0		51.9	10-139		11.5	30		
2,4-D	22.0	5.00	"	40.0		55.0	10-140		6.59	30		
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.8		"	125		49.4	30-150					
<b>Matrix Spike (BG30953-MS1)</b>	<b>Matrix Spike</b>						*Source sample: 23G0812-06 (RIFB01_071423) Prepared: 07/18/2023 Analyzed: 07/19/2023					
2,4,5-T	28.8	5.00	ug/L	40.0	ND	71.9	30-150					
2,4,5-TP (Silvex)	27.2	5.00	"	40.0	ND	68.1	30-150					
2,4-D	30.0	5.00	"	40.0	ND	75.0	30-150					
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	90.5		"	125		72.4	30-150					
<b>Matrix Spike Dup (BG30953-MS1)</b>	<b>Matrix Spike Dup</b>						*Source sample: 23G0812-06 (RIFB01_071423) Prepared & Analyzed: 07/18/2023					
2,4,5-T	28.8	5.00	ug/L	40.0	ND	71.9	30-150		0.00	30		
2,4,5-TP (Silvex)	28.0	5.00	"	40.0	ND	70.0	30-150		2.71	30		
2,4-D	30.5	5.00	"	40.0	ND	76.2	30-150		1.65	30		
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	88.0		"	125		70.4	30-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31151 - EPA 3050B**

**Blank (BG31151-BLK1) Blank** Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	10.7	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

**Duplicate (BG31151-DUP1) Duplicate** \*Source sample: 23G0893-05 (Duplicate) Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	7300	4.34	mg/kg dry		7040				3.59	35	
Antimony	3.70	2.17	"		3.81				2.92	35	
Arsenic	11.1	1.30	"		9.01				20.7	35	
Barium	46.4	2.17	"		48.1				3.44	35	
Beryllium	0.100	0.044	"		0.074				30.2	35	
Cadmium	ND	0.261	"		ND					35	
Calcium	4080	4.35	"		3850				5.75	35	
Chromium	16.6	0.435	"		17.2				3.65	35	
Cobalt	7.86	0.347	"		6.61				17.3	35	
Copper	34.6	1.74	"		35.2				1.85	35	
Iron	13600	21.7	"		12800				5.94	35	
Lead	89.6	0.435	"		77.1				15.0	35	
Magnesium	2410	4.35	"		2420				0.298	35	
Manganese	289	0.435	"		248				15.2	35	
Nickel	15.3	0.866	"		12.3				21.6	35	
Potassium	832	4.35	"		845				1.56	35	
Selenium	ND	2.17	"		ND					35	
Silver	ND	0.438	"		ND					35	
Sodium	177	43.5	"		183				3.49	35	
Thallium	5.07	2.17	"		4.11				20.9	35	
Vanadium	28.0	0.866	"		23.7				16.5	35	
Zinc	49.8	2.16	"		51.8				3.99	35	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31151 - EPA 3050B**

**Matrix Spike (BG31151-MS1) Matrix Spike \*Source sample: 23G0893-05 (Matrix Spike)** Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	7210	4.34	mg/kg dry	174	7040	94.0	75-125				
Antimony	11.1	2.17	"	21.7	3.81	33.4	75-125	Low Bias			
Arsenic	237	1.30	"	174	9.01	131	75-125	High Bias			
Barium	277	2.17	"	174	48.1	132	75-125	High Bias			
Beryllium	5.75	0.044	"	4.35	0.074	131	75-125	High Bias			
Cadmium	5.76	0.261	"	4.35	ND	132	75-125	High Bias			
Calcium	4900	4.35	"	86.9	3850	NR	75-125	High Bias			
Chromium	41.4	0.435	"	17.4	17.2	139	75-125	High Bias			
Cobalt	65.6	0.347	"	43.5	6.61	136	75-125	High Bias			
Copper	57.9	1.74	"	21.7	35.2	104	75-125				
Iron	11300	21.7	"	86.9	12800	NR	75-125	Low Bias			
Lead	123	0.435	"	43.5	77.1	107	75-125				
Magnesium	2750	4.35	"	86.9	2420	388	75-125	High Bias			
Manganese	307	0.435	"	43.5	248	136	75-125	High Bias			
Nickel	69.8	0.866	"	43.5	12.3	132	75-125	High Bias			
Potassium	923	4.35	"	86.9	845	89.8	75-125				
Selenium	166	2.17	"	174	ND	95.7	75-125				
Silver	1.88	0.438	"	4.35	ND	43.4	75-125	Low Bias			
Sodium	263	43.5	"	86.9	183	91.7	75-125				
Thallium	193	2.17	"	174	4.11	109	75-125				
Vanadium	81.1	0.866	"	43.5	23.7	132	75-125	High Bias			
Zinc	116	2.16	"	43.5	51.8	147	75-125	High Bias			

**Post Spike (BG31151-PS1) Post Spike \*Source sample: 23G0893-05 (Post Spike)** Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	81.7		ug/mL	2.00	81.1	33.6	75-125	Low Bias			
Antimony	0.310		"	0.250	0.044	106	75-125				
Arsenic	2.33		"	2.00	0.104	111	75-125				
Barium	2.69		"	2.00	0.553	107	75-125				
Beryllium	0.055		"	0.0500	0.0008	109	75-125				
Cadmium	0.056		"	0.0500	0.002	108	75-125				
Calcium	44.6		"	1.00	44.4	26.8	75-125	Low Bias			
Chromium	0.418		"	0.200	0.198	110	75-125				
Cobalt	0.628		"	0.500	0.076	110	75-125				
Copper	0.684		"	0.250	0.406	111	75-125				
Iron	143		"	1.00	147	NR	75-125	Low Bias			
Lead	1.47		"	0.500	0.887	116	75-125				
Magnesium	27.8		"	1.00	27.8	NR	75-125	Low Bias			
Manganese	3.32		"	0.500	2.86	92.6	75-125				
Nickel	0.689		"	0.500	0.142	109	75-125				
Potassium	10.2		"	1.00	9.73	52.0	75-125	Low Bias			
Selenium	1.52		"	2.00	-0.311	75.9	75-125				
Silver	0.017		"	0.0500	-0.043	33.9	75-125	Low Bias			
Sodium	2.93		"	1.00	2.11	82.0	75-125				
Thallium	1.85		"	2.00	0.047	90.3	75-125				
Vanadium	0.808		"	0.500	0.273	107	75-125				
Zinc	1.07		"	0.500	0.597	93.7	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31151 - EPA 3050B</b>												
<b>Reference (BG31151-SRM1)</b>	<b>Reference</b>								Prepared: 07/20/2023 Analyzed: 07/25/2023			
Aluminum	9100	4.17	mg/kg wet	8040		113	49.9-150.5					
Antimony	66.3	2.08	"	129		51.4	18-250.4					
Arsenic	257	1.25	"	183		141	69.9-130.1	High Bias				
Barium	407	2.08	"	297		137	75.1-125.3	High Bias				
Beryllium	102	0.042	"	78.8		129	75-124.9	High Bias				
Cadmium	298	0.250	"	221		135	75.1-124.9	High Bias				
Calcium	5740	4.17	"	4710		122	72.4-127.4					
Chromium	286	0.417	"	200		143	70-130	High Bias				
Cobalt	134	0.333	"	97.4		138	74.9-125.3	High Bias				
Copper	203	1.67	"	136		149	75-125	High Bias				
Iron	13600	20.8	"	14000		97.3	34.9-165.7					
Lead	376	0.417	"	257		146	73.9-126.1	High Bias				
Magnesium	2490	4.17	"	2290		109	62-138.4					
Manganese	507	0.417	"	381		133	75.9-124.1	High Bias				
Nickel	238	0.830	"	169		141	69.8-129.6	High Bias				
Potassium	2160	4.17	"	2030		106	59.1-140.9					
Selenium	220	2.08	"	217		101	69.1-131.3					
Silver	85.2	0.420	"	67.8		126	70.6-129.2					
Sodium	485	41.7	"	427		114	58.3-141.9					
Thallium	98.0	2.08	"	80.5		122	65.1-135.4					
Vanadium	262	0.830	"	205		128	74.6-125.4	High Bias				
Zinc	270	2.08	"	224		121	70.1-130.4					

**Batch BG31163 - EPA 3015A**

<b>Blank (BG31163-BLK1)</b>	<b>Blank</b>								Prepared: 07/20/2023 Analyzed: 07/24/2023			
Aluminum	ND	0.0556	mg/L									
Barium	ND	0.0278	"									
Calcium	ND	0.0556	"									
Chromium	ND	0.00556	"									
Cobalt	ND	0.00444	"									
Copper	ND	0.0222	"									
Iron	ND	0.278	"									
Lead	ND	0.00556	"									
Magnesium	ND	0.0556	"									
Manganese	ND	0.00556	"									
Nickel	ND	0.0111	"									
Potassium	1.98	0.0556	"									
Silver	ND	0.00556	"									
Sodium	ND	0.556	"									
Vanadium	ND	0.0111	"									
Zinc	ND	0.0278	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31163 - EPA 3015A**

LCS (BG31163-BS1)	LCS	Prepared: 07/20/2023 Analyzed: 07/24/2023									
Aluminum	2.28	ug/mL	2.00	114	80-120						
Barium	2.25	"	2.00	112	80-120						
Calcium	1.47	"	1.00	147	80-120	High Bias					
Chromium	0.222	"	0.200	111	80-120						
Cobalt	0.551	"	0.500	110	80-120						
Copper	0.284	"	0.250	113	80-120						
Iron	1.11	"	1.00	111	80-120						
Lead	0.542	"	0.500	108	80-120						
Magnesium	1.09	"	1.00	109	80-120						
Manganese	0.561	"	0.500	112	80-120						
Nickel	0.563	"	0.500	113	80-120						
Potassium	1.64	"	1.00	164	80-120	High Bias					
Silver	0.0465	"	0.0500	93.0	80-120						
Sodium	3.47	"	1.00	347	80-120	High Bias					
Vanadium	0.538	"	0.500	108	80-120						
Zinc	0.531	"	0.500	106	80-120						

Duplicate (BG31163-DUP1)	Duplicate	*Source sample: 23G0812-06 (RIFB01_071423) Prepared: 07/20/2023 Analyzed: 07/25/2023									
Aluminum	ND	0.0556	mg/L	ND							20
Barium	ND	0.0278	"	ND							20
Calcium	0.468	0.0556	"	0.405				14.3			20
Chromium	0.00569	0.00556	"	0.00583				2.43			20
Cobalt	ND	0.00444	"	ND							20
Copper	ND	0.0222	"	ND							20
Iron	ND	0.278	"	ND							20
Lead	ND	0.00556	"	ND							20
Magnesium	ND	0.0556	"	ND							20
Manganese	ND	0.00556	"	ND							20
Nickel	ND	0.0111	"	ND							20
Potassium	ND	0.0556	"	ND							20
Silver	ND	0.00556	"	ND							20
Sodium	ND	0.556	"	ND							20
Vanadium	ND	0.0111	"	ND							20
Zinc	0.0292	0.0278	"	ND							20



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

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

**Batch BG31163 - EPA 3015A**

**Matrix Spike (BG31163-MS1) Matrix Spike** \*Source sample: 23G0812-06 (RIFB01\_071423) Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	3.20	0.0556	mg/L	2.22	ND	144	75-125	High Bias
Barium	3.06	0.0278	"	2.22	ND	138	75-125	High Bias
Calcium	1.98	0.0556	"	1.11	0.405	142	75-125	High Bias
Chromium	0.304	0.00556	"	0.222	0.00583	134	75-125	High Bias
Cobalt	0.753	0.00444	"	0.556	ND	135	75-125	High Bias
Copper	0.367	0.0222	"	0.278	ND	132	75-125	High Bias
Iron	1.48	0.278	"	1.11	ND	133	75-125	High Bias
Lead	0.793	0.00556	"	0.556	ND	143	75-125	High Bias
Magnesium	1.44	0.0556	"	1.11	ND	130	75-125	High Bias
Manganese	0.768	0.00556	"	0.556	ND	138	75-125	High Bias
Nickel	0.702	0.0111	"	0.556	ND	126	75-125	High Bias
Potassium	1.55	0.0556	"	1.11	ND	140	75-125	High Bias
Silver	0.0658	0.00556	"	0.0556	ND	118	75-125	
Sodium	1.68	0.556	"	1.11	ND	151	75-125	High Bias
Vanadium	0.710	0.0111	"	0.556	ND	128	75-125	High Bias
Zinc	0.775	0.0278	"	0.556	ND	140	75-125	High Bias

**Post Spike (BG31163-PS1) Post Spike** \*Source sample: 23G0812-06 (RIFB01\_071423) Prepared: 07/20/2023 Analyzed: 07/25/2023

Aluminum	2.18		ug/mL	2.00	0.0203	108	75-125	
Barium	2.54		"	2.00	0.00273	127	75-125	High Bias
Calcium	1.39		"	1.00	0.365	102	75-125	
Chromium	0.251		"	0.200	0.00525	123	75-125	
Cobalt	0.615		"	0.500	-0.000347	123	75-125	
Copper	0.306		"	0.250	-0.00204	122	75-125	
Iron	1.10		"	1.00	0.0138	109	75-125	
Lead	0.683		"	0.500	0.00286	136	75-125	High Bias
Magnesium	1.07		"	1.00	-0.00141	107	75-125	
Manganese	0.636		"	0.500	0.000627	127	75-125	High Bias
Nickel	0.593		"	0.500	-0.00315	119	75-125	
Potassium	1.16		"	1.00	0.0376	112	75-125	
Silver	0.0638		"	0.0500	-0.000761	128	75-125	High Bias
Sodium	1.19		"	1.00	0.168	102	75-125	
Vanadium	0.586		"	0.500	0.000888	117	75-125	
Zinc	0.661		"	0.500	0.0191	128	75-125	High Bias



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31165 - EPA 3015A**

<b>Blank (BG31165-BLK1)</b>		<b>Blank</b>										Prepared: 07/20/2023 Analyzed: 07/21/2023	
Antimony	ND	1.11	ug/L										
Arsenic	ND	1.11	"										
Beryllium	ND	0.333	"										
Cadmium	ND	0.556	"										
Selenium	2.37	1.11	"										
Thallium	ND	1.11	"										

<b>LCS (BG31165-BS1)</b>		<b>LCS</b>										Prepared: 07/20/2023 Analyzed: 07/21/2023	
Antimony	60.8		ug/L	50.0		122	80-120	High Bias					
Arsenic	57.3		"	50.0		115	80-120						
Beryllium	58.4		"	50.0		117	80-120						
Cadmium	55.9		"	50.0		112	80-120						
Selenium	54.2		"	50.0		108	80-120						
Thallium	56.0		"	50.0		112	80-120						

<b>Duplicate (BG31165-DUP1)</b>		<b>Duplicate</b>										*Source sample: 23G0807-05 (Duplicate)		Prepared: 07/20/2023 Analyzed: 07/21/2023	
Antimony	1.50	1.11	ug/L		1.34					11.0	20				
Arsenic	ND	1.11	"		ND						20				
Beryllium	ND	0.333	"		ND						20				
Cadmium	1.18	0.556	"		1.18				0.170		20				
Selenium	7.43	1.11	"		9.36				23.0		20	Non-dir.			
Thallium	ND	1.11	"		ND						20				

<b>Matrix Spike (BG31165-MS1)</b>		<b>Matrix Spike</b>										*Source sample: 23G0807-05 (Matrix Spike)		Prepared: 07/20/2023 Analyzed: 07/21/2023	
Antimony	62.7		ug/L	50.0	1.21	123	75-125								
Arsenic	59.3		"	50.0	0.738	117	75-125								
Beryllium	53.4		"	50.0	0.038	107	75-125								
Cadmium	56.9		"	50.0	1.07	112	75-125								
Selenium	62.8		"	50.0	8.42	109	75-125								
Thallium	56.6		"	50.0	0.113	113	75-125								



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31148 - EPA 7473 soil</b>											
<b>Blank (BG31148-BLK1)</b>	Blank								Prepared & Analyzed: 07/20/2023		
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BG31148-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/20/2023		
Mercury	0.0382	0.0331	mg/kg dry		0.0573				39.9	35	Non-dir.
<b>Matrix Spike (BG31148-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/20/2023		
Mercury	0.547		mg/kg	0.500	0.0520	99.1	75-125				
<b>Reference (BG31148-SRM1)</b>	Reference								Prepared & Analyzed: 07/20/2023		
Mercury	27.702		mg/kg	27.2		102	59.9-140.1				
<b>Batch BG31285 - EPA SW846-7470A</b>											
<b>Blank (BG31285-BLK1)</b>	Blank								Prepared & Analyzed: 07/24/2023		
Mercury	ND	0.0002	mg/L								
<b>Blank (BG31285-BLK2)</b>	Blank								Prepared & Analyzed: 07/24/2023		
Mercury	ND	0.0002	mg/L								
<b>LCS (BG31285-BS1)</b>	LCS								Prepared & Analyzed: 07/24/2023		
Mercury	0.0020154	0.0002	mg/L	0.00200		101	80-120				
<b>LCS (BG31285-BS2)</b>	LCS								Prepared & Analyzed: 07/24/2023		
Mercury	0.0019206	0.0002	mg/L	0.00200		96.0	80-120				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30798 - Analysis Preparation</b>											
<b>Blank (BG30798-BLK1)</b>	Blank										Prepared & Analyzed: 07/14/2023
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG30798-BS1)</b>	LCS										Prepared & Analyzed: 07/14/2023
Chromium, Hexavalent	0.502	0.0100	mg/L	0.500		100	85-115				
<b>Duplicate (BG30798-DUP1)</b>	Duplicate *Source sample: 23G0812-06 (RIFB01_071423)										Prepared & Analyzed: 07/14/2023
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
<b>Matrix Spike (BG30798-MS1)</b>	Matrix Spike *Source sample: 23G0812-06 (RIFB01_071423)										Prepared & Analyzed: 07/14/2023
Chromium, Hexavalent	0.521	0.0100	mg/L	0.500	ND	104	85-115				
<b>Matrix Spike Dup (BG30798-MS1)</b>	Matrix Spike Dup *Source sample: 23G0812-06 (RIFB01_071423)										Prepared & Analyzed: 07/14/2023
Chromium, Hexavalent	0.521	0.0100	mg/L	0.500	ND	104	85-115		0.00		200
<b>Batch BG30983 - Analysis Preparation Soil</b>											
<b>Blank (BG30983-BLK1)</b>	Blank										Prepared & Analyzed: 07/18/2023
Cyanide, total	ND	0.500	mg/kg wet								
<b>Duplicate (BG30983-DUP1)</b>	Duplicate *Source sample: 23G0648-01 (Duplicate)										Prepared & Analyzed: 07/18/2023
Cyanide, total	ND	0.525	mg/kg dry		ND						15
<b>Matrix Spike (BG30983-MS1)</b>	Matrix Spike *Source sample: 23G0648-01 (Matrix Spike)										Prepared & Analyzed: 07/18/2023
Cyanide, total	10.1	0.525	mg/kg dry	10.5	ND	96.0	79.6-107				
<b>Matrix Spike Dup (BG30983-MS1)</b>	Matrix Spike Dup *Source sample: 23G0648-01 (Matrix Spike Dup)										Prepared & Analyzed: 07/18/2023
Cyanide, total	10.2	0.525	mg/kg dry	10.5	ND	97.0	79.6-107		1.04		200



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30983 - Analysis Preparation Soil</b>											
<b>Reference (BG30983-SRM1)</b>	Reference								Prepared & Analyzed: 07/18/2023		
Cyanide, total	165		ug/mL	131		126	44.4-156.5				
<b>Batch BG31072 - EPA SW846-3060</b>											
<b>Blank (BG31072-BLK1)</b>	Blank								Prepared & Analyzed: 07/19/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Duplicate (BG31072-DUP1)</b>	Duplicate		*Source sample: 23G0723-04 (Duplicate)						Prepared & Analyzed: 07/19/2023		
Chromium, Hexavalent	ND	0.524	mg/kg dry		ND					35	
<b>Matrix Spike (BG31072-MS1)</b>	Matrix Spike		*Source sample: 23G0723-04 (Matrix Spike)						Prepared & Analyzed: 07/19/2023		
Chromium, Hexavalent	19.0	0.524	mg/kg dry	21.0	ND	90.6	75-125				
<b>Matrix Spike Dup (BG31072-MS1)</b>	Matrix Spike Dup		*Source sample: 23G0723-04 (Matrix Spike Dup)						Prepared & Analyzed: 07/19/2023		
Chromium, Hexavalent	16.7	0.524	mg/kg dry	21.0	ND	79.8	75-125		12.7	200	
<b>Reference (BG31072-SRM1)</b>	Reference								Prepared & Analyzed: 07/19/2023		
Chromium, Hexavalent	228		mg/L	227		100	42.3-157.7				
<b>Batch BG31075 - Analysis Preparation</b>											
<b>Blank (BG31075-BLK1)</b>	Blank								Prepared & Analyzed: 07/19/2023		
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BG31075-BS1)</b>	LCS								Prepared & Analyzed: 07/19/2023		
Cyanide, total	0.195	0.0100	mg/L	0.200		97.5	80-120				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31075 - Analysis Preparation</b>												
<b>Duplicate (BG31075-DUP1)</b>	Duplicate	*Source sample: 23G0939-01 (Duplicate)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	ND	0.0100	mg/L		ND					15		
<b>Matrix Spike (BG31075-MS1)</b>	Matrix Spike	*Source sample: 23G0939-01 (Matrix Spike)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	0.185	0.0100	mg/L	0.200	ND	92.5	79-105					
<b>Matrix Spike Dup (BG31075-MS1-DUP)</b>	Matrix Spike Dup	*Source sample: 23G0939-01 (Matrix Spike Dup)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	0.188	0.0100	mg/L	0.200	ND	94.0	79-105		1.61	200		
<b>Batch BG31077 - Analysis Preparation Soil</b>												
<b>Blank (BG31077-BLK1)</b>	Blank							Prepared & Analyzed: 07/19/2023				
Cyanide, total	ND	0.500	mg/kg wet									
<b>Duplicate (BG31077-DUP1)</b>	Duplicate	*Source sample: 23G0812-04 (RIB09_0-2)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	ND	0.593	mg/kg dry		1.36					15		
<b>Matrix Spike (BG31077-MS1)</b>	Matrix Spike	*Source sample: 23G0812-04 (RIB09_0-2)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	12.0	0.593	mg/kg dry	11.9	1.36	89.5	79.6-107					
<b>Matrix Spike Dup (BG31077-MS1-DUP)</b>	Matrix Spike Dup	*Source sample: 23G0812-04 (RIB09_0-2)						Prepared & Analyzed: 07/19/2023				
Cyanide, total	11.9	0.593	mg/kg dry	11.9	1.36	89.0	79.6-107		0.496	200		
<b>Reference (BG31077-SRM1)</b>	Reference							Prepared & Analyzed: 07/19/2023				
Cyanide, total	136		ug/mL	131		104	44.4-156.5					
<b>Batch BG31145 - EPA SW846-3060</b>												
<b>Blank (BG31145-BLK1)</b>	Blank							Prepared & Analyzed: 07/20/2023				
Chromium, Hexavalent	ND	0.500	mg/kg wet									



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31145 - EPA SW846-3060</b>												
<b>Duplicate (BG31145-DUP1)</b>	Duplicate	*Source sample: 23G0893-05 (Duplicate)						Prepared & Analyzed: 07/20/2023				
Chromium, Hexavalent	ND	0.521	mg/kg dry		ND					35		
<b>Matrix Spike (BG31145-MS1)</b>	Matrix Spike	*Source sample: 23G0893-05 (Matrix Spike)						Prepared & Analyzed: 07/20/2023				
Chromium, Hexavalent	18.8	0.521	mg/kg dry	20.9	ND	90.2	75-125					
<b>Matrix Spike Dup (BG31145-MS1)</b>	Matrix Spike Dup	*Source sample: 23G0893-05 (Matrix Spike Dup)						Prepared & Analyzed: 07/20/2023				
Chromium, Hexavalent	19.4	0.521	mg/kg dry	20.9	ND	93.0	75-125		3.06	200		
<b>Reference (BG31145-SRM1)</b>	Reference							Prepared & Analyzed: 07/20/2023				
Chromium, Hexavalent	218		mg/L	227		96.0	42.3-157.7					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30891 - % Solids Prep**

<b>Duplicate (BG30891-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G0817-09 (Duplicate)</b>						<b>Prepared &amp; Analyzed: 07/17/2023</b>			
% Solids	88.2	0.100	%		88.4				0.263	20	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G0812-01	RIB12_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0812-02	RIB12_10-12	40mL Vial with Stir Bar-Cool 4° C
23G0812-03	RIB12_18-20	40mL Vial with Stir Bar-Cool 4° C
23G0812-04	RIB09_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0812-05	RIB09_15-16.5	40mL Vial with Stir Bar-Cool 4° C
23G0812-06	RIFB01_071423	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G0812-07	RITB01_071423	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G0812-09	RIB09_10-12	40mL Vial with Stir Bar-Cool 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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



**High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

**Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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**Corrective Action:** The PFAS container for sample RIB12\_18-20 was received empty. On 7/18/23, Liz Mcconnell advised to cancel all parameters on this sample.



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. **2360812**

Page **1** of **1**

<b>Report To:</b>		<b>Report / EDD Type (circle selections)</b>	
Company: <u>LANGYAN</u>	Address: <u>360 W 31st Street NYC, NY, 10001</u>	<input checked="" type="checkbox"/> Summary Report	EQUS (Standard)
Phone: <u>212-479-5400</u>	Phase: <u>Phase 1</u>	QA Report	CT RCP
Contact: <u>Albert Tashji</u>	Contact: <u>Albert Tashji</u>	CMDP	CT RCP DQA/DUE/NYSDEC EQUS
E-mail: <u>Atashji@langyan.com</u>	E-mail: <u>Atashji@langyan.com</u>	Standard Excel EDD	NJDEP Reduced NJDKQP
		NY ASP B Package	Deliverables NJDEP SRP HazSite

<b>YOUR Information</b>		<b>Invoice To:</b>	
Company: <u>LANGYAN</u>	Address: <u>360 W 31st Street NYC, NY, 10001</u>	YOUR Project Number: <u>170758101</u>	
Phone: <u>212-479-5400</u>	Phase: <u>Phase 1</u>	YOUR Project Name: <u>224 3rd Avenue</u>	
Contact: <u>Albert Tashji</u>	Contact: <u>Albert Tashji</u>	YOUR PO#: _____	
E-mail: <u>Atashji@langyan.com</u>	E-mail: <u>Atashji@langyan.com</u>		

Sample Identification	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
<u>RIB12-0-2</u>	<u>S</u>	New York	<input checked="" type="checkbox"/> Summary Report	<u>TCL / Part 375 VOCs SVOCs Part</u>		
<u>RIB12-10-12</u>	<u>I</u>	New Jersey	QA Report	<u>375 PCBs &amp; Pesticides, PALL</u>		
<u>RIB12-18-20</u>	<u>I</u>	Connecticut	CMDP	<u>Part 375 Metals including cyanide and hexavalent / Trivalent Chromium, PFAS, and 1,4-dioxane</u>		
<u>RIB09-0-2</u>	<u>I</u>	Pennsylvania	Standard Excel EDD	<u>PFAS, and 1,4-dioxane</u>		
<u>RIB09-10-12</u>	<u>I</u>	Other:	NY ASP B Package	<u>PFAS</u>		
<u>RIB09-15-10.5</u>	<u>I</u>			<u>Part 375 VOCs</u>		
<u>RIFB01-071423</u>				<u>PFAS</u>		
<u>RIFB07-071423</u>						
<u>ECF01-071423</u>						

**Comments:** Please cc: Datamanagement@langyan.com and LMccconnell@langyan.com

1. Samples Relinquished by / Company: Victor B. York Date/Time: 7/14/23 10:00

2. Samples Relinquished by / Company: Victor B. York Date/Time: 7/14/23 21:00

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72. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

73. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

74. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

75. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

76. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

77. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

78. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

79. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

80. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

81. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

82. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

83. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

84. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

85. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

86. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

87. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

88. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

89. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

90. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

91. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

92. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

93. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

94. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

95. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

96. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

97. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

98. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

99. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

100. Samples Relinquished by / Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 07/26/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G0881

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/26/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G0881

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 17, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G0881-01	RIB01_0-2	Soil	07/17/2023	07/17/2023
23G0881-02	RIB01_11.5-13.5	Soil	07/17/2023	07/17/2023
23G0881-03	RIB01_25.7-27.5	Soil	07/17/2023	07/17/2023
23G0881-04	RIB11_0-2	Soil	07/17/2023	07/17/2023
23G0881-05	RIB11_5-7	Soil	07/17/2023	07/17/2023
23G0881-06	RIB11_20-22	Soil	07/17/2023	07/17/2023
23G0881-07	RIB03_0-2	Soil	07/17/2023	07/17/2023
23G0881-08	RIB03_10.5-12.5	Soil	07/17/2023	07/17/2023
23G0881-09	RIB03_15-17	Soil	07/17/2023	07/17/2023
23G0881-10	RIBDUP01_071723	Soil	07/17/2023	07/17/2023
23G0881-12	RIB04_0-2	Soil	07/17/2023	07/17/2023
23G0881-13	RIB04_5-6	Soil	07/17/2023	07/17/2023
23G0881-14	RIB04_21-23	Soil	07/17/2023	07/17/2023
23G0881-15	RIB05_0-2	Soil	07/17/2023	07/17/2023
23G0881-16	RIB05_10-12	Soil	07/17/2023	07/17/2023
23G0881-17	ECFB02_071723	Water	07/17/2023	07/17/2023

## **General Notes for York Project (SDG) No.: 23G0881**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 07/26/2023





### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:00 am	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:26	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
67-64-1	<b>Acetone</b>	<b>0.052</b>		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
108-87-2	<b>Methylcyclohexane</b>	<b>0.0025</b>	<b>J</b>	mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:26	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

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July 17, 2023 9:00 am

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:26	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:26	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
83-32-9	<b>Acenaphthene</b>	<b>0.271</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.322</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
120-12-7	<b>Anthracene</b>	<b>0.931</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>4.75</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH



### Sample Information

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**York Sample ID:** 23G0881-01

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>5.63</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>6.57</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>4.09</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>2.20</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.0469</b>	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
86-74-8	<b>Carbazole</b>	<b>0.200</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
218-01-9	<b>Chrysene</b>	<b>4.65</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.813</b>		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.0772</b>	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
206-44-0	<b>Fluoranthene</b>	<b>9.72</b>		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.187		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	4.31		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
85-01-8	Phenanthrene	3.96		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH
129-00-0	Pyrene	10.7		mg/kg dry	0.452	0.902	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:17	KH
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 20:37	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	63.7 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	65.1 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.7 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	108 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.2 %	24-116



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 00:06	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	45.6 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.121	0.193	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0578	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.114	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.195	0.199	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.187	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.459</b>		ug/kg dry	0.182	0.203	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.206	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.208	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.216	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.178	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.136	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.112	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.161	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.211	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.119	0.436	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.159	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:00 am	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.169	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.208	0.210	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.648	0.828	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.823	0.837	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.119	0.872	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:44	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.151	0.388	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.210	0.436	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0676	0.436	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.105	0.436	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.171	0.205	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.648	0.817	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.663	0.872	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.339	0.824	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.268	0.815	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.190	0.824	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.184	0.211	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.135	0.209	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.691	1.09	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.29	5.45	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.63	5.45	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.666	2.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.196	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.760	2.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.216	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:44	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	116 %	25-150
Surrogate: M5PFHxA	123 %	25-150
Surrogate: M4PFHpA	95.9 %	25-150
Surrogate: M3PFHxS	112 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %	25-150
Surrogate: M6PFDA	142 %	25-150
Surrogate: M7PFUdA	128 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	139 %	25-150
Surrogate: M2PFTeDA	88.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	106 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	177 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	117 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	94.3 %	10-150
Surrogate: d3-N-MeFOSAA	144 %	25-150
Surrogate: d5-N-EtFOSAA	196 %	25-150
Surrogate: M2-6:2 FTS	281 %	25-200
Surrogate: M2-8:2 FTS	211 %	25-200
Surrogate: M9PFNA	145 %	25-150
Surrogate: M2-4:2 FTS	209 %	25-150
Surrogate: d-N-MeFOSA	59.5 %	25-150
Surrogate: d-N-EtFOSA	30.3 %	25-150
Surrogate: M3HFPO-DA	90.8 %	25-150
Surrogate: d9-N-EtFOSE	49.2 %	25-150
Surrogate: d7-N-MeFOSE	51.5 %	25-150



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:00 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 07:39	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
72-43-5	<b>Methoxychlor</b>	<b>0.00423</b>		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:39	BCJ



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:00 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications:	07/18/2023 12:01	07/20/2023 07:39	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	63.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.3 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:05	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	07/18/2023 12:01	07/18/2023 21:05	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	32.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 18:03	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 18:03	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 18:03	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 38.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6180		mg/kg dry	4.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-36-0	Antimony	3.28		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-38-2	Arsenic	12.5		mg/kg dry	1.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-39-3	Barium	131		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-41-7	Beryllium	0.116		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.274	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-70-2	Calcium	12800		mg/kg dry	4.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-47-3	Chromium	12.8		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-48-4	Cobalt	3.31		mg/kg dry	0.365	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-50-8	Copper	130	M-CCV 1	mg/kg dry	1.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7439-89-6	Iron	15400		mg/kg dry	22.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7439-92-1	Lead	956		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7439-95-4	Magnesium	2040		mg/kg dry	4.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7439-96-5	Manganese	168		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-02-0	Nickel	14.7		mg/kg dry	0.910	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-09-7	Potassium	911		mg/kg dry	4.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-22-4	Silver	ND		mg/kg dry	0.460	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG



### Sample Information

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:00 am

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	204	M-CCV 1	mg/kg dry	45.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-28-0	Thallium	12.2		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-62-2	Vanadium	15.2		mg/kg dry	0.910	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG
7440-66-6	Zinc	178		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:03	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.434		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.548	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.8		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.548	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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





**Sample Information**

**Client Sample ID:** RIB01\_0-2

**York Sample ID:** 23G0881-01

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 9:00 am

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	91.2		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 09:21	07/25/2023 12:12	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 09:21	07/25/2023 12:12	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	41	82	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
78-93-3	2-Butanone	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
67-64-1	Acetone	ND		mg/kg dry	4.1	8.2	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
107-02-8	Acrolein	ND	CAL-E	mg/kg dry	4.1	8.2	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
71-43-2	Benzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-25-2	Bromoform	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-00-3	Chloroethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
67-66-3	Chloroform	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
110-82-7	<b>Cyclohexane</b>	<b>12</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

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23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
98-82-8	<b>Isopropylbenzene</b>	<b>21</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
108-87-2	<b>Methylcyclohexane</b>	<b>50</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	4.1	8.2	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
104-51-8	<b>n-Butylbenzene</b>	<b>19</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
103-65-1	<b>n-Propylbenzene</b>	<b>63</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
95-47-6	o-Xylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	4.1	8.2	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
99-87-6	<b>p-Isopropyltoluene</b>	<b>2.2</b>	J	mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
135-98-8	<b>sec-Butylbenzene</b>	<b>12</b>		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
100-42-5	Styrene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 09:21	07/25/2023 12:12	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
108-88-3	Toluene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC



### Sample Information

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**York Sample ID:** 23G0881-02

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170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	2.0	4.1	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 09:21	07/25/2023 12:12	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	6.1	12	500	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 09:21	07/25/2023 12:12	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>3.04</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

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Soil

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07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0630</b>	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
120-12-7	<b>Anthracene</b>	<b>0.0770</b>	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0925</b>	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

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Soil

July 17, 2023 9:15 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0848</b>	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.0995</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
218-01-9	<b>Chrysene</b>	<b>0.0988</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
117-84-0	<b>Di-n-octyl phthalate</b>	<b>0.162</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
206-44-0	<b>Fluoranthene</b>	<b>0.264</b>		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

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23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0661	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
85-01-8	Phenanthrene	0.317		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
129-00-0	Pyrene	0.235		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:10	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	72.7 %		20-108
13127-88-3	Surrogate: SURR: Phenol-d6	71.8 %		23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	112 %	S-08	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	81.8 %		21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	134 %	S-08	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.6 %		24-116



### Sample Information

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170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 00:23	KH
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.5 %		39-127.5						

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.129	0.206	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0617	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.208	0.213	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.200	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.209</b>	<b>J</b>	ug/kg dry	0.194	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.220	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.222	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.230	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.190	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.145	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.120	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.172	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.226	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.127	0.465	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.170	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ



### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

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23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.180	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.222	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.692	0.884	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.878	0.894	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.127	0.931	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 09:57	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.162	0.414	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.225	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0721	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.112	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.183	0.219	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.692	0.873	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.707	0.931	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.362	0.880	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.286	0.870	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.202	0.880	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.197	0.226	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.144	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.738	1.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.44	5.82	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.75	5.82	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.711	2.33	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ



**Sample Information**

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 9:15 am

Date Received  
07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.209	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.811	2.33	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.230	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 09:57	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	106 %	25-150
Surrogate: M5PFHxA	119 %	25-150
Surrogate: M4PFHpA	97.7 %	25-150
Surrogate: M3PFHxS	95.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	108 %	25-150
Surrogate: M6PFDA	90.7 %	25-150
Surrogate: M7PFUdA	121 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	103 %	25-150
Surrogate: M2PFTeDA	99.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	110 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	98.3 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	117 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	107 %	10-150
Surrogate: d3-N-MeFOSAA	154 %	25-150
Surrogate: d5-N-EtFOSAA	170 %	25-150
Surrogate: M2-6:2 FTS	197 %	25-200
Surrogate: M2-8:2 FTS	130 %	25-200
Surrogate: M9PFNA	78.5 %	25-150
Surrogate: M2-4:2 FTS	147 %	25-150
Surrogate: d-N-MeFOSA	70.3 %	25-150
Surrogate: d-N-EtFOSA	59.0 %	25-150
Surrogate: M3HFPO-DA	96.1 %	25-150
Surrogate: d9-N-EtFOSE	80.3 %	25-150
Surrogate: d7-N-MeFOSE	81.7 %	25-150



### Sample Information

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**York Sample ID:** 23G0881-02

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:15 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 07:57	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 07:57	BCJ





### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B	07/18/2023 12:01	07/20/2023 07:57	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	91.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	86.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	07/18/2023 12:01	07/18/2023 21:18	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A	07/18/2023 14:32	07/19/2023 18:14	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A	07/18/2023 14:32	07/19/2023 18:14	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A	07/18/2023 14:32	07/19/2023 18:14	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



**Sample Information**

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 95.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7540		mg/kg dry	4.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-36-0	Antimony	4.19		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-38-2	Arsenic	9.85		mg/kg dry	1.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-39-3	Barium	34.4		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-41-7	Beryllium	0.165		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.296	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-70-2	Calcium	1690		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-47-3	Chromium	10.3		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-48-4	Cobalt	3.04		mg/kg dry	0.394	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-50-8	Copper	6.88	M-CCV 1	mg/kg dry	1.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7439-89-6	Iron	14000		mg/kg dry	24.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7439-92-1	Lead	62.0		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7439-95-4	Magnesium	1780		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7439-96-5	Manganese	240		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-02-0	Nickel	12.5		mg/kg dry	0.981	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-09-7	Potassium	748		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-22-4	Silver	ND		mg/kg dry	0.496	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG





### Sample Information

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:15 am

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	72.4	M-CCV 1	mg/kg dry	49.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-28-0	Thallium	10.3		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-62-2	Vanadium	13.9		mg/kg dry	0.981	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG
7440-66-6	Zinc	31.0		mg/kg dry	2.45	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:05	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.235		mg/kg dry	0.0355	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.591	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	10.3		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB01\_11.5-13.5

**York Sample ID:** 23G0881-02

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

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Soil

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07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.6		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:20 am	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:11	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:11	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
95-63-6	1,2,4-Trimethylbenzene	ND	QL-02	mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.065	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 9:20 am

Date Received  
07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
67-64-1	<b>Acetone</b>	<b>0.057</b>	CCVE, QL-02	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.0065</b>		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:11	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
79-01-6	Trichloroethylene	ND	QL-02	mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:11	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0098	0.020	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:11	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.6 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
62-53-3	Aniline	ND		mg/kg dry	0.238	0.477	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
92-87-5	Benzidine	ND		mg/kg dry	0.238	0.477	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

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23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.119	0.238	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH



### Sample Information

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**York Sample ID:** 23G0881-03

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23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0597	0.119	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH
110-86-1	Pyridine	ND		mg/kg dry	0.238	0.477	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 21:41	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.5 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	65.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.2 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	118 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.1 %	24-116



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

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23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 00:57	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.3 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.159	0.254	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0761	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.151	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.257	0.263	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.247	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.255</b>	<b>J</b>	ug/kg dry	0.240	0.267	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.271	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.274	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.284	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.234	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.179	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.148	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.212	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.278	0.287	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.156	0.574	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.210	0.287	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ





### Sample Information

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170758101

Soil

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07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.222	0.287	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.274	0.277	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.854	1.09	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.08	1.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.156	1.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:09	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.199	0.511	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.277	0.574	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0890	0.574	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.138	0.574	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.225	0.270	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.854	1.08	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.873	1.15	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.446	1.09	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.353	1.07	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.250	1.09	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.243	0.278	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.178	0.276	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.910	1.44	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.01	7.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.15	7.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.877	2.87	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ



**Sample Information**

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:20 am	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.258	0.287	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.00	2.87	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.284	0.287	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:09	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	97.7 %	25-150
Surrogate: M5PFHxA	113 %	25-150
Surrogate: M4PFHpA	90.9 %	25-150
Surrogate: M3PFHxS	108 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	99.9 %	25-150
Surrogate: M6PFDA	126 %	25-150
Surrogate: M7PFUdA	110 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	126 %	25-150
Surrogate: M2PFTeDA	95.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	102 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	100 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	109 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	127 %	10-150
Surrogate: d3-N-MeFOSAA	162 %	25-150
Surrogate: d5-N-EtFOSAA	194 %	25-150
Surrogate: M2-6:2 FTS	198 %	25-200
Surrogate: M2-8:2 FTS	165 %	25-200
Surrogate: M9PFNA	108 %	25-150
Surrogate: M2-4:2 FTS	186 %	25-150
Surrogate: d-N-MeFOSA	96.4 %	25-150
Surrogate: d-N-EtFOSA	70.0 %	25-150
Surrogate: M3HFPO-DA	91.9 %	25-150
Surrogate: d9-N-EtFOSE	54.9 %	25-150
Surrogate: d7-N-MeFOSE	70.7 %	25-150



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:20 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 08:15	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.236	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:15	BCJ



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:20 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0473	5	EPA 8081B Certifications:	07/18/2023 12:01	07/20/2023 08:15	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	98.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 21:32	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0239	1	EPA 8082A Certifications:	07/18/2023 12:01	07/18/2023 21:32	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	66.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0286	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 16:26	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0286	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 16:26	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0286	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 16:26	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 9:20 am

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 83.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10400		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-36-0	Antimony	4.90		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-38-2	Arsenic	10.9		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-39-3	Barium	61.9		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-70-2	Calcium	2380		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-47-3	Chromium	20.9		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-48-4	Cobalt	8.22		mg/kg dry	0.482	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-50-8	Copper	16.5	M-CCV 1	mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7439-89-6	Iron	16100		mg/kg dry	30.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7439-92-1	Lead	32.7		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7439-95-4	Magnesium	4200		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7439-96-5	Manganese	198		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-02-0	Nickel	46.5		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-09-7	Potassium	1480		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-22-4	Silver	ND		mg/kg dry	0.608	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG





### Sample Information

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 9:20 am	<u>Date Received</u> 07/17/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	736	M-CCV 1	mg/kg dry	60.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-28-0	Thallium	12.1		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-62-2	Vanadium	25.2		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG
7440-66-6	Zinc	43.0		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:48	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0988		mg/kg dry	0.0434	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.723	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.9		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.723	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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



**Sample Information**

**Client Sample ID:** RIB01\_25.7-27.5

**York Sample ID:** 23G0881-03

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 9:20 am

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	69.1		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:10 am	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:40	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:40	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
95-63-6	1,2,4-Trimethylbenzene	ND	QL-02	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
67-64-1	<b>Acetone</b>	<b>0.019</b>	CCVE, QL-02	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC



### Sample Information

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 14:40	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
127-18-4	Tetrachloroethylene	ND	QL-02, CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
79-01-6	Trichloroethylene	ND	QL-02	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC



### Sample Information

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July 17, 2023 10:10 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 14:40	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 14:40	BMC
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	95.2 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	<b>1,1-Biphenyl</b>	<b>0.471</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
105-67-9	<b>2,4-Dimethylphenol</b>	<b>0.0855</b>	CAL-E, J	mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>2.17</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH





### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:10 am	<u>Date Received</u> 07/17/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
65794-96-9	<b>3- &amp; 4-Methylphenols</b>	<b>0.103</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
83-32-9	<b>Acenaphthene</b>	<b>6.02</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
208-96-8	<b>Acenaphthylene</b>	<b>1.71</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
120-12-7	<b>Anthracene</b>	<b>14.5</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>27.2</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>30.4</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>34.5</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>17.7</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>12.8</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
86-74-8	<b>Carbazole</b>	<b>2.70</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
218-01-9	<b>Chrysene</b>	<b>27.3</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>4.55</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
132-64-9	<b>Dibenzofuran</b>	<b>2.42</b>		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
206-44-0	<b>Fluoranthene</b>	<b>65.4</b>		mg/kg dry	2.25	4.49	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:31	KH



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>5.35</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>18.3</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
91-20-3	<b>Naphthalene</b>	<b>3.76</b>		mg/kg dry	0.563	1.12	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 13:59	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
85-01-8	<b>Phenanthrene</b>	<b>62.2</b>		mg/kg dry	2.25	4.49	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
129-00-0	<b>Pyrene</b>	<b>61.9</b>		mg/kg dry	2.25	4.49	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:24	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.3 %			20-108						
13127-88-3	Surrogate: SURR: Phenol-d6	48.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.3 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	57.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.7 %			24-116						



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:10 am	<u>Date Received</u> 07/17/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 01:14	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	41.4 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.122	0.195	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.0794</b>	J	ug/kg dry	0.0583	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.115	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.197	0.201	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.189	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.184	0.205	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.208	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.210	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.179	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.137	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.113	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.163	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.213	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.126</b>	J	ug/kg dry	0.120	0.440	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.161	0.220	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.170	0.220	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.210	0.212	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.654	0.836	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.830	0.845	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.120	0.880	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:21	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.153	0.392	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.212	0.440	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0682	0.440	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.106	0.440	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.173	0.207	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.654	0.825	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.669	0.880	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.342	0.832	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.271	0.823	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.191	0.832	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.186	0.213	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.136	0.211	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.697	1.10	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.31	5.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.65	5.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.672	2.20	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ



**Sample Information**

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:10 am	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.198	0.220	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.767	2.20	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:21	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	116 %	25-150
Surrogate: M5PFHxA	125 %	25-150
Surrogate: M4PFHpA	90.3 %	25-150
Surrogate: M3PFHxS	112 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	112 %	25-150
Surrogate: M6PFDA	113 %	25-150
Surrogate: M7PFUdA	103 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	97.9 %	25-150
Surrogate: M2PFTeDA	61.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	108 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	108 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	119 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	75.4 %	10-150
Surrogate: d3-N-MeFOSAA	205 %	25-150
Surrogate: d5-N-EtFOSAA	194 %	25-150
Surrogate: M2-6:2 FTS	375 %	25-200
Surrogate: M2-8:2 FTS	332 %	25-200
Surrogate: M9PFNA	107 %	25-150
Surrogate: M2-4:2 FTS	275 %	25-150
Surrogate: d-N-MeFOSA	44.7 %	25-150
Surrogate: d-N-EtFOSA	30.0 %	25-150
Surrogate: M3HFPO-DA	99.1 %	25-150
Surrogate: d9-N-EtFOSE	45.7 %	25-150
Surrogate: d7-N-MeFOSE	58.1 %	25-150



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:10 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
50-29-3	4,4'-DDT	ND	P	mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 01:21	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 01:21	BCJ



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B	07/18/2023 12:01	07/20/2023 01:21	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.3 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:13	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	58.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 43.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7380		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-36-0	Antimony	3.86		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-38-2	Arsenic	13.8		mg/kg dry	1.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-39-3	Barium	176		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-43-9	Cadmium	0.811		mg/kg dry	0.277	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-70-2	Calcium	16700		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-47-3	Chromium	16.7		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-48-4	Cobalt	3.71		mg/kg dry	0.368	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-50-8	Copper	280	M-CCV 1	mg/kg dry	1.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7439-89-6	Iron	15000		mg/kg dry	23.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7439-92-1	Lead	625		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7439-95-4	Magnesium	3120		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7439-96-5	Manganese	273		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-02-0	Nickel	21.2		mg/kg dry	0.918	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-09-7	Potassium	1200		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-22-4	Silver	ND		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG



### Sample Information

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:10 am

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	568	M-CCV 1	mg/kg dry	46.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-28-0	Thallium	11.0		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-62-2	Vanadium	16.5		mg/kg dry	0.918	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG
7440-66-6	Zinc	648		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:50	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	3.40		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	9.96		mg/kg dry	0.553	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB11\_0-2

**York Sample ID:** 23G0881-04

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 10:10 am

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:53	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:53	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.082	0.16	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC





### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
67-64-1	<b>Acetone</b>	<b>0.024</b>		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 10:15 am

Date Received  
07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 16:53	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 16:53	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.025	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 16:53	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.144</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
83-32-9	<b>Acenaphthene</b>	<b>0.400</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.200</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
62-53-3	Aniline	ND		mg/kg dry	0.212	0.423	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
120-12-7	<b>Anthracene</b>	<b>1.13</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
92-87-5	Benzidine	ND		mg/kg dry	0.212	0.423	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>2.05</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:15 am	<u>Date Received</u> 07/17/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	1.79		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
205-99-2	Benzo(b)fluoranthene	1.97		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
191-24-2	Benzo(g,h,i)perylene	1.04	CAL-E	mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
207-08-9	Benzo(k)fluoranthene	0.669		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
86-74-8	Carbazole	0.241		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
218-01-9	Chrysene	1.89		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
53-70-3	Dibenzo(a,h)anthracene	0.284		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
132-64-9	Dibenzofuran	0.165		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.106	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
206-44-0	Fluoranthene	4.19		mg/kg dry	0.265	0.528	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 14:29	KH



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.401</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.24</b>	CCVE	mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
91-20-3	<b>Naphthalene</b>	<b>0.162</b>		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
85-01-8	<b>Phenanthrene</b>	<b>4.98</b>		mg/kg dry	0.265	0.528	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 14:29	KH
108-95-2	Phenol	ND		mg/kg dry	0.0529	0.106	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
129-00-0	<b>Pyrene</b>	<b>4.08</b>		mg/kg dry	0.265	0.528	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 14:29	KH
110-86-1	Pyridine	ND		mg/kg dry	0.212	0.423	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 15:54	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.1 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	61.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	90.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.9 %	24-116								



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 01:31	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	45.0 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.144	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0687	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.136	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.232	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.223	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.217	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.245	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.248	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.257	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.211	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.162	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.134	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.192	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.252	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.141	0.519	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.189	0.259	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ





### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.201	0.259	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.248	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.772	0.985	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.979	0.996	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.141	1.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:34	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.180	0.462	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.250	0.519	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0804	0.519	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.124	0.519	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.204	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.772	0.973	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.788	1.04	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.403	0.980	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.319	0.970	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.226	0.980	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.219	0.252	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.161	0.249	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.822	1.30	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.72	6.48	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.95	6.48	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.792	2.59	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ



**Sample Information**

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 10:15 am

Date Received  
07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.233	0.259	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.904	2.59	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.257	0.259	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:34	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	86.1 %	25-150
Surrogate: M5PFHxA	66.0 %	25-150
Surrogate: M4PFHpA	67.4 %	25-150
Surrogate: M3PFHxS	109 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	90.9 %	25-150
Surrogate: M6PFDA	116 %	25-150
Surrogate: M7PFUdA	93.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	91.4 %	25-150
Surrogate: M2PFTeDA	64.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	4.56 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	116 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	31.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	103 %	10-150
Surrogate: d3-N-MeFOSAA	116 %	25-150
Surrogate: d5-N-EtFOSAA	148 %	25-150
Surrogate: M2-6:2 FTS	153 %	25-200
Surrogate: M2-8:2 FTS	145 %	25-200
Surrogate: M9PFNA	96.5 %	25-150
Surrogate: M2-4:2 FTS	74.5 %	25-150
Surrogate: d-N-MeFOSA	43.4 %	25-150
Surrogate: d-N-EtFOSA	29.5 %	25-150
Surrogate: M3HFPO-DA	49.0 %	25-150
Surrogate: d9-N-EtFOSE	44.2 %	25-150
Surrogate: d7-N-MeFOSE	50.9 %	25-150



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:15 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 08:33	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
72-43-5	<b>Methoxychlor</b>	<b>0.00248</b>	P	mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.213	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:33	BCJ



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0426	5	EPA 8081B	07/18/2023 12:01	07/20/2023 08:33	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	86.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.0 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0215	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:27	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0256	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:48	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0256	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:48	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0256	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:48	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							





### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**HERB. 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 70.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8790		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-38-2	Arsenic	14.7		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-39-3	Barium	414		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-41-7	Beryllium	0.544		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-70-2	Calcium	17600		mg/kg dry	5.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-47-3	Chromium	16.9		mg/kg dry	0.544	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-48-4	Cobalt	7.18		mg/kg dry	0.434	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-50-8	Copper	410	M-CCV 1	mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7439-89-6	Iron	8500		mg/kg dry	27.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7439-92-1	Lead	784		mg/kg dry	0.544	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7439-95-4	Magnesium	1320		mg/kg dry	5.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7439-96-5	Manganese	139		mg/kg dry	0.544	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-02-0	Nickel	19.8		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-09-7	Potassium	1050		mg/kg dry	5.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG



### Sample Information

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:15 am

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	765	M-CCV 1	mg/kg dry	54.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-28-0	Thallium	6.71		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-62-2	Vanadium	26.8		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG
7440-66-6	Zinc	670		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:53	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.23		mg/kg dry	0.0391	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.652	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.9		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.652	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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



**Sample Information**

**Client Sample ID:** RIB11\_5-7

**York Sample ID:** 23G0881-05

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 10:15 am

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	76.7		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 17:20	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 17:20	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.082	0.16	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0048</b>	J	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
67-64-1	<b>Acetone</b>	<b>0.060</b>		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:20	BMC



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:20	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.025	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 17:20	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
62-53-3	Aniline	ND		mg/kg dry	0.291	0.581	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
120-12-7	<b>Anthracene</b>	<b>0.185</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
92-87-5	Benzidine	ND		mg/kg dry	0.291	0.581	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.378</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.374</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.402</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.215</b>	CAL-E	mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.133</b>	J	mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
218-01-9	<b>Chrysene</b>	<b>0.345</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.145	0.290	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
206-44-0	<b>Fluoranthene</b>	<b>0.809</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.260</b>	CCVE	mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
85-01-8	<b>Phenanthrene</b>	<b>0.818</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
108-95-2	Phenol	ND		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
129-00-0	<b>Pyrene</b>	<b>0.764</b>		mg/kg dry	0.0728	0.145	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH
110-86-1	Pyridine	ND		mg/kg dry	0.291	0.581	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:23	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.2 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	59.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.2 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.1 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.7 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.4 %	24-116



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 01:48	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	53.6 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.194	0.309	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0926	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.184	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.313	0.320	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.301	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.292	0.325	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.330	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.334	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.346	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.285	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.218	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.180	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.259	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.339	0.350	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.191	0.699	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.255	0.350	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.271	0.350	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.334	0.337	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.04	1.33	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.32	1.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>0.593</b>	J	ug/kg dry	0.191	1.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:46	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.243	0.622	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.337	0.699	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.108	0.699	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.168	0.699	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.274	0.329	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	1.04	1.31	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	1.06	1.40	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.544	1.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.430	1.31	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.304	1.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.295	0.339	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.217	0.336	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.11	1.75	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.67	8.74	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.62	8.74	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	1.07	3.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ



**Sample Information**

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.315	0.350	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.22	3.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.346	0.350	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:46	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	97.1 %	25-150
Surrogate: M5PFHxA	82.3 %	25-150
Surrogate: M4PFHpA	79.4 %	25-150
Surrogate: M3PFHxS	111 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	83.6 %	25-150
Surrogate: M6PFDA	77.5 %	25-150
Surrogate: M7PFUdA	75.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	84.6 %	25-150
Surrogate: M2PFTeDA	75.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	4.88 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	130 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	40.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	80.7 %	10-150
Surrogate: d3-N-MeFOSAA	108 %	25-150
Surrogate: d5-N-EtFOSAA	136 %	25-150
Surrogate: M2-6:2 FTS	196 %	25-200
Surrogate: M2-8:2 FTS	168 %	25-200
Surrogate: M9PFNA	132 %	25-150
Surrogate: M2-4:2 FTS	120 %	25-150
Surrogate: d-N-MeFOSA	40.8 %	25-150
Surrogate: d-N-EtFOSA	50.8 %	25-150
Surrogate: M3HFPO-DA	61.1 %	25-150
Surrogate: d9-N-EtFOSE	41.0 %	25-150
Surrogate: d7-N-MeFOSE	45.6 %	25-150



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 08:51	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.287	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 08:51	BCJ



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23G0881

170758101

Soil

July 17, 2023 10:20 am

07/17/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0575	5	EPA 8081B	07/18/2023 12:01	07/20/2023 08:51	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0290	1	EPA 8082A	07/18/2023 12:01	07/18/2023 22:40	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	39.0 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0341	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0341	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0341	1	EPA 8151A	07/18/2023 14:32	07/19/2023 16:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 75.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	21300		mg/kg dry	7.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-36-0	Antimony	12.6		mg/kg dry	3.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-38-2	Arsenic	27.9		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-39-3	Barium	48.6		mg/kg dry	3.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-41-7	Beryllium	0.719		mg/kg dry	0.074	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.440	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-70-2	Calcium	2500		mg/kg dry	7.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-47-3	Chromium	37.7		mg/kg dry	0.733	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-48-4	Cobalt	4.78		mg/kg dry	0.586	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-50-8	Copper	12.7	M-CCV 1	mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7439-89-6	Iron	41400		mg/kg dry	36.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7439-92-1	Lead	40.2		mg/kg dry	0.733	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7439-95-4	Magnesium	8410		mg/kg dry	7.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7439-96-5	Manganese	437		mg/kg dry	0.733	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-02-0	Nickel	26.2		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-09-7	Potassium	4480		mg/kg dry	7.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-22-4	Silver	ND		mg/kg dry	0.739	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG



### Sample Information

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 10:20 am	<u>Date Received</u> 07/17/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	2830	M-CCV 1	mg/kg dry	73.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-28-0	Thallium	32.7		mg/kg dry	3.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-62-2	Vanadium	41.0		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG
7440-66-6	Zinc	89.0		mg/kg dry	3.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:56	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0909		mg/kg dry	0.0528	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.879	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	37.7		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.879	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB11\_20-22

**York Sample ID:** 23G0881-06

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 10:20 am

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	56.9		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 17:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 17:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC





### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 12:00 pm

Date Received  
07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
67-64-1	<b>Acetone</b>	<b>0.011</b>		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 17:47	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 17:47	BMC



Sample Information

Client Sample ID: RIB03\_0-2

York Sample ID: 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, etc.



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0995</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.206</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
120-12-7	<b>Anthracene</b>	<b>0.479</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>2.28</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	2.64		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
205-99-2	Benzo(b)fluoranthene	3.06		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:00	KH
191-24-2	Benzo(g,h,i)perylene	1.79	CAL-E	mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
207-08-9	Benzo(k)fluoranthene	1.03		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
86-74-8	Carbazole	0.147		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
218-01-9	Chrysene	2.23		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
53-70-3	Dibenzo(a,h)anthracene	0.446		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0922	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
206-44-0	Fluoranthene	4.03		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:00	KH



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.0936</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>2.25</b>	CCVE	mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
85-01-8	<b>Phenanthrene</b>	<b>2.05</b>		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH
129-00-0	<b>Pyrene</b>	<b>3.62</b>		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/25/2023 15:00	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 16:52	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	48.4 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	49.5 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	48.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.0 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	54.1 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.5 %	24-116



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 18:42	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	59.7 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.124	0.197	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0591	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.117	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.200	0.204	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.192	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.186	0.207	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.211	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.213	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.221	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.182	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.139	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.115	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.165	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.216	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.122	0.446	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.163	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.173	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.213	0.215	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.664	0.848	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.842	0.857	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.122	0.892	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 10:58	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.155	0.397	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.215	0.446	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0692	0.446	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.107	0.446	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.175	0.210	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.664	0.837	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.678	0.892	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.347	0.843	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.274	0.834	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.194	0.843	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.189	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.138	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.707	1.12	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.34	5.58	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.67	5.58	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.682	2.23	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ



**Sample Information**

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.201	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.777	2.23	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.221	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 10:58	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	94.4 %	25-150
Surrogate: M5PFHxA	91.8 %	25-150
Surrogate: M4PFHpA	76.5 %	25-150
Surrogate: M3PFHxS	97.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	82.0 %	25-150
Surrogate: M6PFDA	73.9 %	25-150
Surrogate: M7PFUdA	65.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	80.1 %	25-150
Surrogate: M2PFTeDA	36.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	78.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	72.1 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	85.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	79.1 %	10-150
Surrogate: d3-N-MeFOSAA	81.9 %	25-150
Surrogate: d5-N-EtFOSAA	117 %	25-150
Surrogate: M2-6:2 FTS	163 %	25-200
Surrogate: M2-8:2 FTS	118 %	25-200
Surrogate: M9PFNA	62.3 %	25-150
Surrogate: M2-4:2 FTS	114 %	25-150
Surrogate: d-N-MeFOSA	53.5 %	25-150
Surrogate: d-N-EtFOSA	15.2 %	25-150
Surrogate: M3HFPO-DA	72.0 %	25-150
Surrogate: d9-N-EtFOSE	25.0 %	25-150
Surrogate: d7-N-MeFOSE	31.6 %	25-150



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:00 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 09:45	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
72-43-5	<b>Methoxychlor</b>	<b>0.00303</b>		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 09:45	BCJ



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:00 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications:	07/18/2023 12:01	07/20/2023 09:45	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	66.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 22:54	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	07/18/2023 12:01	07/18/2023 22:54	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	40.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:09	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:09	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:09	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:00 pm	<u>Date Received</u> 07/17/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 47.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7530		mg/kg dry	4.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-36-0	Antimony	2.73		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-38-2	Arsenic	11.3		mg/kg dry	1.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-39-3	Barium	191		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-41-7	Beryllium	0.179		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.280	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-70-2	Calcium	16000		mg/kg dry	4.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-47-3	Chromium	16.7		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-48-4	Cobalt	4.18		mg/kg dry	0.373	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-50-8	Copper	70.0	M-CCV 1	mg/kg dry	1.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7439-89-6	Iron	13900		mg/kg dry	23.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7439-92-1	Lead	1240		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7439-95-4	Magnesium	3100		mg/kg dry	4.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7439-96-5	Manganese	271		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-02-0	Nickel	24.8		mg/kg dry	0.929	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-09-7	Potassium	1280		mg/kg dry	4.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-22-4	Silver	ND		mg/kg dry	0.470	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG



### Sample Information

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:00 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	643	M-CCV 1	mg/kg dry	46.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-28-0	Thallium	9.19		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-62-2	Vanadium	16.5		mg/kg dry	0.929	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG
7440-66-6	Zinc	649		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 15:59	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	3.42		mg/kg dry	0.0336	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.560	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.560	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB03\_0-2

**York Sample ID:** 23G0881-07

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 12:00 pm

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.3		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 16:38	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 16:38	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	14	28	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
67-64-1	<b>Acetone</b>	<b>2.4</b>	J	mg/kg dry	1.4	2.8	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
107-02-8	Acrolein	ND	CAL-E	mg/kg dry	1.4	2.8	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
71-43-2	Benzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
110-82-7	<b>Cyclohexane</b>	<b>6.8</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
98-82-8	<b>Isopropylbenzene</b>	<b>2.0</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
108-87-2	<b>Methylcyclohexane</b>	<b>29</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	1.4	2.8	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
104-51-8	<b>n-Butylbenzene</b>	<b>2.7</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
103-65-1	<b>n-Propylbenzene</b>	<b>4.0</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	1.4	2.8	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
135-98-8	<b>sec-Butylbenzene</b>	<b>1.6</b>		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
100-42-5	Styrene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 16:38	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
108-88-3	Toluene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 16:38	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	2.1	4.2	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 16:38	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0494</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH



### Sample Information

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.0562</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
206-44-0	<b>Fluoranthene</b>	<b>0.0851</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH



### Sample Information

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
85-01-8	<b>Phenanthrene</b>	<b>0.0555</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
129-00-0	<b>Pyrene</b>	<b>0.0661</b>	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:21	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	41.8 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	39.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	41.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	38.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	85.6 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.1 %	24-116



### Sample Information

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23G0881

170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 18:59	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	47.5 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.129	0.206	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0616	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.208	0.213	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.200	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.194	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.220	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.222	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.230	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.189	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.145	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.120	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.172	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.225	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.127	0.465	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.170	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ





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170758101

Soil

July 17, 2023 12:05 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.180	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.222	0.224	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.691	0.883	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.877	0.892	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.127	0.930	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:35	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.162	0.414	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.224	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0720	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.112	0.465	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.182	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.691	0.872	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.707	0.930	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.361	0.878	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.286	0.869	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.202	0.878	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.196	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.144	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.737	1.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.44	5.81	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.74	5.81	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.710	2.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ



**Sample Information**

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.209	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.810	2.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.230	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:35	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	118 %	25-150
Surrogate: M5PFHxA	138 %	25-150
Surrogate: M4PFHpA	86.0 %	25-150
Surrogate: M3PFHxS	82.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	77.6 %	25-150
Surrogate: M6PFDA	87.4 %	25-150
Surrogate: M7PFUdA	72.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	68.8 %	25-150
Surrogate: M2PFTeDA	53.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	50.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	73.5 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	137 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	46.4 %	10-150
Surrogate: d3-N-MeFOSAA	81.6 %	25-150
Surrogate: d5-N-EtFOSAA	85.8 %	25-150
Surrogate: M2-6:2 FTS	172 %	25-200
Surrogate: M2-8:2 FTS	134 %	25-200
Surrogate: M9PFNA	75.5 %	25-150
Surrogate: M2-4:2 FTS	181 %	25-150
Surrogate: d-N-MeFOSA	41.5 %	25-150
Surrogate: d-N-EtFOSA	50.2 %	25-150
Surrogate: M3HFPO-DA	109 %	25-150
Surrogate: d9-N-EtFOSE	40.8 %	25-150
Surrogate: d7-N-MeFOSE	48.2 %	25-150



### Sample Information

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**York Sample ID:** 23G0881-08

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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
309-00-2	Aldrin	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
319-84-6	alpha-BHC	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
5103-71-9	alpha-Chlordane	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
60-57-1	Dieldrin	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
959-98-8	Endosulfan I	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 10:03	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
58-89-9	gamma-BHC (Lindane)	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
5566-34-7	gamma-Chlordane	ND	P	mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:03	BCJ



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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0379	5	EPA 8081B	07/18/2023 12:01	07/20/2023 10:03	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	92.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.7 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:08	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	93.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0228	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:20	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:20	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:20	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	76.8 %			21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10300		mg/kg dry	4.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-36-0	Antimony	3.66		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-38-2	Arsenic	8.85		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-39-3	Barium	45.6		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-41-7	Beryllium	0.173		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.292	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-70-2	Calcium	3350		mg/kg dry	4.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-47-3	Chromium	14.0		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-48-4	Cobalt	3.66		mg/kg dry	0.388	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-50-8	Copper	14.1	M-CCV 1	mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7439-89-6	Iron	13700		mg/kg dry	24.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7439-92-1	Lead	64.2		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7439-95-4	Magnesium	2450		mg/kg dry	4.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7439-96-5	Manganese	311		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-02-0	Nickel	18.2		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-09-7	Potassium	982		mg/kg dry	4.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-22-4	Silver	ND		mg/kg dry	0.490	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG





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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	298	M-CCV 1	mg/kg dry	48.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-28-0	Thallium	9.88		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-62-2	Vanadium	16.5		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG
7440-66-6	Zinc	34.0		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:01	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.194		mg/kg dry	0.0350	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.583	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.0		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.583	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB03\_10.5-12.5

**York Sample ID:** 23G0881-08

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 12:05 pm

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.7		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:10 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 18:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 18:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.089	0.18	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0049</b>	J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:10 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
67-64-1	<b>Acetone</b>	<b>0.083</b>		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 18:13	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 18:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 18:13	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:10 pm	<u>Date Received</u> 07/17/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
62-53-3	Aniline	ND		mg/kg dry	0.250	0.500	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
92-87-5	Benzidine	ND		mg/kg dry	0.250	0.500	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0829</b>	J	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0709	J	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
205-99-2	Benzo(b)fluoranthene	0.0899	J	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.125	0.250	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
206-44-0	Fluoranthene	0.129		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
85-01-8	<b>Phenanthrene</b>	<b>0.0669</b>	J	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
129-00-0	<b>Pyrene</b>	<b>0.112</b>	J	mg/kg dry	0.0626	0.125	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH
110-86-1	Pyridine	ND		mg/kg dry	0.250	0.500	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 19:15	07/24/2023 17:50	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	39.6 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	37.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	38.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	33.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.2 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.9 %	24-116



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 19:17	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.9 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.169	0.269	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0806	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.160	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.272	0.278	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.262	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.254	0.283	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.287	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.291	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.301	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.248	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.190	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.157	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.225	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.295	0.304	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.166	0.608	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.222	0.304	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ





### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.236	0.304	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.291	0.294	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.905	1.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.15	1.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.166	1.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 11:47	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.211	0.541	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.294	0.608	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0943	0.608	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.146	0.608	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.239	0.286	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.905	1.14	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.925	1.22	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.473	1.15	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.374	1.14	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.265	1.15	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.257	0.295	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.189	0.292	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.964	1.52	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.19	7.61	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.28	7.61	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.929	3.04	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ



**Sample Information**

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**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.274	0.304	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.06	3.04	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.301	0.304	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 11:47	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	121 %	25-150
Surrogate: M5PFHxA	143 %	25-150
Surrogate: M4PFHpA	118 %	25-150
Surrogate: M3PFHxS	117 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	111 %	25-150
Surrogate: M6PFDA	68.4 %	25-150
Surrogate: M7PFUdA	128 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	136 %	25-150
Surrogate: M2PFTeDA	104 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	26.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	167 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	126 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	132 %	10-150
Surrogate: d3-N-MeFOSAA	209 %	25-150
Surrogate: d5-N-EtFOSAA	238 %	25-150
Surrogate: M2-6:2 FTS	277 %	25-200
Surrogate: M2-8:2 FTS	227 %	25-200
Surrogate: M9PFNA	152 %	25-150
Surrogate: M2-4:2 FTS	225 %	25-150
Surrogate: d-N-MeFOSA	64.3 %	25-150
Surrogate: d-N-EtFOSA	48.8 %	25-150
Surrogate: M3HFPO-DA	123 %	25-150
Surrogate: d9-N-EtFOSE	74.4 %	25-150
Surrogate: d7-N-MeFOSE	80.3 %	25-150



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 12:10 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 10:20	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.249	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:20	BCJ



### Sample Information

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**York Project (SDG) No.**

**Client Project ID**

**Matrix**

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23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0498	5	EPA 8081B	07/18/2023 12:01	07/20/2023 10:20	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	63.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.3 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0251	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:22	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0298	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:31	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0298	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:31	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
94-75-7	2,4-D	ND		mg/kg dry	0.0298	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:31	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

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July 17, 2023 12:10 pm

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 79.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9820		mg/kg dry	6.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-36-0	Antimony	3.25		mg/kg dry	3.19	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-38-2	Arsenic	9.64		mg/kg dry	1.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-39-3	Barium	77.8		mg/kg dry	3.19	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.383	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-70-2	Calcium	3650		mg/kg dry	6.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-47-3	Chromium	21.0		mg/kg dry	0.639	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-48-4	Cobalt	3.27		mg/kg dry	0.511	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-50-8	Copper	14.8	M-CCV 1	mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7439-89-6	Iron	11700		mg/kg dry	31.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7439-92-1	Lead	80.0		mg/kg dry	0.639	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7439-95-4	Magnesium	2780		mg/kg dry	6.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7439-96-5	Manganese	155		mg/kg dry	0.639	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-02-0	Nickel	20.0		mg/kg dry	1.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-09-7	Potassium	1890		mg/kg dry	6.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.19	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG





### Sample Information

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 12:10 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1270	M-CCV 1	mg/kg dry	63.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-28-0	Thallium	7.50		mg/kg dry	3.19	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-62-2	Vanadium	25.0		mg/kg dry	1.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG
7440-66-6	Zinc	43.3		mg/kg dry	3.18	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:04	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.429		mg/kg dry	0.0460	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.767	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.0		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.767	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB03\_15-17

**York Sample ID:** 23G0881-09

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 12:10 pm

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	65.2		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 17:08	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 17:08	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	8.6	17	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
67-64-1	<b>Acetone</b>	<b>1.5</b>	J	mg/kg dry	0.86	1.7	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
107-02-8	Acrolein	ND	CAL-E	mg/kg dry	0.86	1.7	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
71-43-2	Benzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
110-82-7	<b>Cyclohexane</b>	<b>4.1</b>		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
98-82-8	<b>Isopropylbenzene</b>	<b>0.89</b>		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
108-87-2	<b>Methylcyclohexane</b>	<b>15</b>		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.86	1.7	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
104-51-8	<b>n-Butylbenzene</b>	<b>1.4</b>		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
103-65-1	<b>n-Propylbenzene</b>	<b>1.9</b>		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.86	1.7	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
135-98-8	<b>sec-Butylbenzene</b>	<b>0.82</b>	J	mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
100-42-5	Styrene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:07	07/24/2023 17:08	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
108-88-3	Toluene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

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07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.43	0.86	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:07	07/24/2023 17:08	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	1.3	2.6	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:07	07/24/2023 17:08	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.9 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.0 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH



### Sample Information

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07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
100-01-6	4-Nitroaniline	ND	CCVE	mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
100-02-7	4-Nitrophenol	ND	CCVE	mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH



### Sample Information

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July 17, 2023 3:00 pm

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
206-44-0	<b>Fluoranthene</b>	<b>0.0518</b>	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH



### Sample Information

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July 17, 2023 3:00 pm

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:07	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.1 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	53.4 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.8 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	117 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.1 %	24-116



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 19:34	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	46.6 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.128	0.204	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0610	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.121	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.206	0.211	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.198	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.458</b>		ug/kg dry	0.192	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.220	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.228	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.188	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.144	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.170	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.223	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.125	0.460	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.168	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ





### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.178	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.685	0.875	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.869	0.884	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.125	0.921	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:00	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.160	0.410	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.222	0.460	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0714	0.460	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.460	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.181	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.685	0.863	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.700	0.921	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.358	0.870	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.283	0.861	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.200	0.870	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.195	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.143	0.221	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.730	1.15	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.42	5.76	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.73	5.76	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.703	2.30	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 3:00 pm	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.207	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.802	2.30	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.228	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:00	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	118 %	25-150
Surrogate: M5PFHxA	133 %	25-150
Surrogate: M4PFHpA	109 %	25-150
Surrogate: M3PFHxS	121 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	101 %	25-150
Surrogate: M6PFDA	119 %	25-150
Surrogate: M7PFUdA	129 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	103 %	25-150
Surrogate: M2PFTeDA	75.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	64.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	120 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	127 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	106 %	10-150
Surrogate: d3-N-MeFOSAA	141 %	25-150
Surrogate: d5-N-EtFOSAA	160 %	25-150
Surrogate: M2-6:2 FTS	249 %	25-200
Surrogate: M2-8:2 FTS	189 %	25-200
Surrogate: M9PFNA	108 %	25-150
Surrogate: M2-4:2 FTS	194 %	25-150
Surrogate: d-N-MeFOSA	58.8 %	25-150
Surrogate: d-N-EtFOSA	43.6 %	25-150
Surrogate: M3HFPO-DA	105 %	25-150
Surrogate: d9-N-EtFOSE	41.1 %	25-150
Surrogate: d7-N-MeFOSE	52.4 %	25-150



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 3:00 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 10:38	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:38	BCJ



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 3:00 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	07/18/2023 12:01	07/20/2023 10:38	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	96.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.8 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/18/2023 23:35	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	07/18/2023 12:01	07/18/2023 23:35	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:42	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:42	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 14:32	07/19/2023 17:42	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 74.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10500		mg/kg dry	4.82	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-36-0	Antimony	3.91		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-38-2	Arsenic	8.59		mg/kg dry	1.45	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-39-3	Barium	52.7		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-41-7	Beryllium	0.194		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.290	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-70-2	Calcium	2500		mg/kg dry	4.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-47-3	Chromium	15.2		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-48-4	Cobalt	3.94		mg/kg dry	0.386	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-50-8	Copper	12.3	M-CCV 1	mg/kg dry	1.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7439-89-6	Iron	13000		mg/kg dry	24.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7439-92-1	Lead	62.8		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7439-95-4	Magnesium	2590		mg/kg dry	4.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7439-96-5	Manganese	213		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-02-0	Nickel	19.2		mg/kg dry	0.961	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-09-7	Potassium	1040		mg/kg dry	4.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-22-4	Silver	ND		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG



### Sample Information

**Client Sample ID:** RIBDUP01\_071723

**York Sample ID:** 23G0881-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 3:00 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	262	M-CCV 1	mg/kg dry	48.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-28-0	Thallium	8.07		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-62-2	Vanadium	17.2		mg/kg dry	0.961	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG
7440-66-6	Zinc	38.3		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:06	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.183		mg/kg dry	0.0347	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.579	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.2		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.579	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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



Sample Information

Client Sample ID: RIBDUP01\_071723

York Sample ID: 23G0881-10

York Project (SDG) No. 23G0881

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 17, 2023 3:00 pm

Date Received 07/17/2023

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.3		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:07	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:07	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC





### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
67-64-1	<b>Acetone</b>	<b>0.089</b>		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:07	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

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23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:07	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:07	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %	76-130								

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
105-67-9	<b>2,4-Dimethylphenol</b>	<b>0.0916</b>	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>1.06</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
65794-96-9	<b>3- &amp; 4-Methylphenols</b>	<b>0.118</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
83-32-9	<b>Acenaphthene</b>	<b>2.24</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
208-96-8	<b>Acenaphthylene</b>	<b>1.16</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
120-12-7	<b>Anthracene</b>	<b>5.14</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>12.0</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

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170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>10.9</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>12.7</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>7.17</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>4.54</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.0931</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
86-74-8	<b>Carbazole</b>	<b>2.27</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
218-01-9	<b>Chrysene</b>	<b>11.0</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>1.06</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
132-64-9	<b>Dibenzofuran</b>	<b>1.98</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
206-44-0	<b>Fluoranthene</b>	<b>26.3</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>2.81</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>7.85</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
91-20-3	<b>Naphthalene</b>	<b>1.48</b>		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
85-01-8	<b>Phenanthrene</b>	<b>25.3</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH
129-00-0	<b>Pyrene</b>	<b>26.3</b>		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 02:49	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 22:45	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.4 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	58.8 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.0 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.3 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.6 %	24-116



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

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170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 19:51	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	41.5 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.125	0.200	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0599	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.119	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.202	0.207	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.194	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.189	0.210	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.214	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.216	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.224	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.184	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.141	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.116	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.167	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.219	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>2.95</b>		ug/kg dry	0.123	0.452	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.165	0.226	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ





### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.175	0.226	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.216	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.672	0.859	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.853	0.868	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.123	0.904	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:24	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.157	0.402	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.218	0.452	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0700	0.452	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.108	0.452	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.177	0.212	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.672	0.847	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.687	0.904	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.351	0.854	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.278	0.845	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.197	0.854	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.191	0.219	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.140	0.217	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.716	1.13	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.37	5.65	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.69	5.65	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.690	2.26	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ



**Sample Information**

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.203	0.226	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.787	2.26	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.224	0.226	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:24	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	79.0 %	25-150
Surrogate: M5PFHxA	61.5 %	25-150
Surrogate: M4PFHpA	69.3 %	25-150
Surrogate: M3PFHxS	96.7 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	92.3 %	25-150
Surrogate: M6PFDA	129 %	25-150
Surrogate: M7PFUdA	109 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	120 %	25-150
Surrogate: M2PFTeDA	94.3 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	1.24 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	130 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	12.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	94.4 %	10-150
Surrogate: d3-N-MeFOSAA	176 %	25-150
Surrogate: d5-N-EtFOSAA	220 %	25-150
Surrogate: M2-6:2 FTS	227 %	25-200
Surrogate: M2-8:2 FTS	218 %	25-200
Surrogate: M9PFNA	82.4 %	25-150
Surrogate: M2-4:2 FTS	80.8 %	25-150
Surrogate: d-N-MeFOSA	74.1 %	25-150
Surrogate: d-N-EtFOSA	55.1 %	25-150
Surrogate: M3HFPO-DA	43.7 %	25-150
Surrogate: d9-N-EtFOSE	52.2 %	25-150
Surrogate: d7-N-MeFOSE	59.9 %	25-150



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:30 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 10:56	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 10:56	BCJ



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0368	5	EPA 8081B	07/18/2023 12:01	07/20/2023 10:56	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	68.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.1 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	07/18/2023 12:01	07/18/2023 23:49	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:52	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:52	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	07/18/2023 14:32	07/19/2023 17:52	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							





### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 56.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8700		mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-36-0	Antimony	10.3		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-38-2	Arsenic	22.5		mg/kg dry	1.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-39-3	Barium	159		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-41-7	Beryllium	0.178		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.284	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-70-2	Calcium	9240		mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-47-3	Chromium	23.7		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-48-4	Cobalt	4.03		mg/kg dry	0.378	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-50-8	Copper	1230	M-CCV 1	mg/kg dry	1.89	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7439-89-6	Iron	27300		mg/kg dry	23.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7439-92-1	Lead	747		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7439-95-4	Magnesium	2940		mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7439-96-5	Manganese	453		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-02-0	Nickel	28.7		mg/kg dry	0.941	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-09-7	Potassium	1140		mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-22-4	Silver	ND		mg/kg dry	0.476	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG



### Sample Information

**Client Sample ID:** RIB04\_0-2

**York Sample ID:** 23G0881-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:30 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	574	M-CCV 1	mg/kg dry	47.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-28-0	Thallium	22.8		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-62-2	Vanadium	19.3		mg/kg dry	0.941	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG
7440-66-6	Zinc	468		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:09	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	3.23		mg/kg dry	0.0340	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.567	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.7		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.567	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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





Sample Information

Client Sample ID: RIB04\_0-2

York Sample ID: 23G0881-12

York Project (SDG) No. 23G0881

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 17, 2023 1:30 pm

Date Received 07/17/2023

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.2		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 18:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 18:01	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND	QL-02	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.069	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0881

170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
67-64-1	<b>Acetone</b>	<b>0.064</b>	CCVE, QL-02	mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 18:01	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
79-01-6	Trichloroethylene	ND	QL-02	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 18:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 18:01	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	<b>1,1-Biphenyl</b>	<b>0.315</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>1.21</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	<b>2-Methylphenol</b>	<b>0.0554</b>	J	mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
65794-96-9	<b>3- &amp; 4-Methylphenols</b>	<b>0.124</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
83-32-9	<b>Acenaphthene</b>	<b>3.03</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.874</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
62-53-3	Aniline	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
120-12-7	<b>Anthracene</b>	<b>7.39</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>10.3</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>10.3</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>12.0</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>5.42</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>4.40</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
85-68-7	<b>Benzyl butyl phthalate</b>	<b>0.135</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.240</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
86-74-8	<b>Carbazole</b>	<b>0.0733</b>	J	mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
218-01-9	<b>Chrysene</b>	<b>10.1</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>1.43</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
117-84-0	<b>Di-n-octyl phthalate</b>	<b>0.0619</b>	J	mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
206-44-0	<b>Fluoranthene</b>	<b>26.9</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

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Soil

July 17, 2023 1:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>3.46</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>6.35</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
91-20-3	<b>Naphthalene</b>	<b>2.31</b>		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
85-01-8	<b>Phenanthrene</b>	<b>27.7</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
108-95-2	Phenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH
129-00-0	<b>Pyrene</b>	<b>22.8</b>		mg/kg dry	1.28	2.55	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:20	KH
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:17	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	61.7 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	67.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.5 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	80.9 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.8 %	24-116



### Sample Information

**Client Sample ID:** RIB04\_5-6

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Soil

July 17, 2023 1:35 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 20:08	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.135	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0647	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.128	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.218	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.210	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.204	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.231	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.233	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.242	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.199	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.153	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.126	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.181	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.237	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.133	0.488	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.178	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ



### Sample Information

**Client Sample ID:** RIB04\_5-6

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July 17, 2023 1:35 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.189	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.233	0.236	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.726	0.928	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.921	0.937	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.133	0.976	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:36	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.170	0.434	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.236	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0757	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.117	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.192	0.229	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.726	0.915	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.742	0.976	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.380	0.923	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.300	0.913	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.212	0.923	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.206	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.151	0.234	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.774	1.22	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.56	6.10	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.83	6.10	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.746	2.44	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ



**Sample Information**

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:35 pm	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.220	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.851	2.44	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.242	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:36	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	110 %	25-150
Surrogate: M5PFHxA	148 %	25-150
Surrogate: M4PFHpA	135 %	25-150
Surrogate: M3PFHxS	113 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	108 %	25-150
Surrogate: M6PFDA	96.9 %	25-150
Surrogate: M7PFUdA	105 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	102 %	25-150
Surrogate: M2PFTeDA	75.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	3.10 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	156 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	64.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	96.7 %	10-150
Surrogate: d3-N-MeFOSAA	149 %	25-150
Surrogate: d5-N-EtFOSAA	156 %	25-150
Surrogate: M2-6:2 FTS	214 %	25-200
Surrogate: M2-8:2 FTS	144 %	25-200
Surrogate: M9PFNA	109 %	25-150
Surrogate: M2-4:2 FTS	159 %	25-150
Surrogate: d-N-MeFOSA	64.5 %	25-150
Surrogate: d-N-EtFOSA	48.0 %	25-150
Surrogate: M3HFPO-DA	114 %	25-150
Surrogate: d9-N-EtFOSE	43.1 %	25-150
Surrogate: d7-N-MeFOSE	57.9 %	25-150



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:35 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 11:14	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:14	BCJ



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:35 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0399	5	EPA 8081B Certifications:	07/18/2023 12:01	07/20/2023 11:14	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	93.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.1 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 12:01	07/19/2023 00:03	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications:	07/18/2023 12:01	07/19/2023 00:03	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0243	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 16:45	07/19/2023 20:13	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0243	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 16:45	07/19/2023 20:13	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0243	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 16:45	07/19/2023 20:13	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 17, 2023 1:35 pm

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 27.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6400		mg/kg dry	5.13	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-38-2	Arsenic	29.8		mg/kg dry	1.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-39-3	Barium	157		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-41-7	Beryllium	0.165		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.308	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-70-2	Calcium	19800		mg/kg dry	5.13	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-47-3	Chromium	12.7		mg/kg dry	0.513	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-48-4	Cobalt	4.18		mg/kg dry	0.410	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-50-8	Copper	75.5	M-CCV 1	mg/kg dry	2.05	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7439-89-6	Iron	25100		mg/kg dry	25.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7439-92-1	Lead	2520		mg/kg dry	0.513	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7439-95-4	Magnesium	1920		mg/kg dry	5.13	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7439-96-5	Manganese	160		mg/kg dry	0.513	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-02-0	Nickel	21.2		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-09-7	Potassium	1100		mg/kg dry	5.13	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-22-4	Silver	ND		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG



**Sample Information**

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.

Client Project ID

Matrix

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23G0881

170758101

Soil

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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	546	M-CCV 1	mg/kg dry	51.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-28-0	Thallium	19.2		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-62-2	Vanadium	15.4		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG
7440-66-6	Zinc	187		mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:11	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.89		mg/kg dry	0.0369	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:30	07/25/2023 10:03	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.615	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.7		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	3.81		mg/kg dry	0.615	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB04\_5-6

**York Sample ID:** 23G0881-13

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 1:35 pm

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.3		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:40 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 12:17	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 12:17	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
95-63-6	1,2,4-Trimethylbenzene	ND	QL-02	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.11	0.22	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC



### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:40 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
67-64-1	<b>Acetone</b>	<b>0.056</b>	CCVE, QL-02	mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.025</b>		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC



### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:40 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/19/2023 09:27	07/19/2023 12:17	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
79-01-6	Trichloroethylene	ND	QL-02	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC



### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:40 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/19/2023 09:27	07/19/2023 12:17	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.017	0.033	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/19/2023 09:27	07/19/2023 12:17	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH



### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

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170758101

Soil

July 17, 2023 1:40 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
62-53-3	Aniline	ND		mg/kg dry	0.299	0.599	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
120-12-7	<b>Anthracene</b>	<b>0.0825</b>	<b>J</b>	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
92-87-5	Benzidine	ND		mg/kg dry	0.299	0.599	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.268</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.230</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.281</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.126</b>	J	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.103</b>	J	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.0753</b>	J	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
218-01-9	<b>Chrysene</b>	<b>0.249</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.150	0.299	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
206-44-0	<b>Fluoranthene</b>	<b>0.500</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH



### Sample Information

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Soil

July 17, 2023 1:40 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.128</b>	J, CCVE	mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
85-01-8	<b>Phenanthrene</b>	<b>0.336</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
108-95-2	Phenol	ND		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
129-00-0	<b>Pyrene</b>	<b>0.452</b>		mg/kg dry	0.0749	0.150	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
110-86-1	Pyridine	ND		mg/kg dry	0.299	0.599	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/21/2023 23:49	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	91.2 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	88.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	100 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	88.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	141 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	95.1 %	24-116								



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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 02:05	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.2 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.203	0.324	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.443</b>		ug/kg dry	0.0971	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.192	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.328	0.335	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.315	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.306	0.341	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.346	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.350	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.363	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.299	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.229	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.189	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.271	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.355	0.366	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.200	0.733	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.267	0.366	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ





### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

York Project (SDG) No.

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23G0881

170758101

Soil

July 17, 2023 1:40 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.284	0.366	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.350	0.354	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.09	1.39	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.38	1.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>22.2</b>		ug/kg dry	0.200	1.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 12:49	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.255	0.652	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.354	0.733	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.114	0.733	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.176	0.733	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.288	0.344	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	1.09	1.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	1.11	1.47	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.570	1.39	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.451	1.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.319	1.39	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.310	0.355	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.227	0.352	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.16	1.83	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.84	9.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
812-70-4	* <b>3-Perfluoroheptyl propanoic acid (FHpPA)</b>	<b>13.5</b>		ug/kg dry	2.75	9.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	1.12	3.66	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ



**Sample Information**

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**York Sample ID:** 23G0881-14

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170758101

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.330	0.366	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.28	3.66	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.363	0.366	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 12:49	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	49.2 %	25-150
Surrogate: M5PFHxA	26.0 %	25-150
Surrogate: M4PFHpA	34.8 %	25-150
Surrogate: M3PFHxS	74.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	56.0 %	25-150
Surrogate: M6PFDA	67.6 %	25-150
Surrogate: M7PFUdA	71.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	69.9 %	25-150
Surrogate: M2PFTeDA	44.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	0.837 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	117 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	5.52 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	88.9 %	10-150
Surrogate: d3-N-MeFOSAA	159 %	25-150
Surrogate: d5-N-EtFOSAA	150 %	25-150
Surrogate: M2-6:2 FTS	224 %	25-200
Surrogate: M2-8:2 FTS	228 %	25-200
Surrogate: M9PFNA	58.1 %	25-150
Surrogate: M2-4:2 FTS	66.7 %	25-150
Surrogate: d-N-MeFOSA	68.5 %	25-150
Surrogate: d-N-EtFOSA	44.1 %	25-150
Surrogate: M3HFPO-DA	18.2 %	25-150
Surrogate: d9-N-EtFOSE	65.8 %	25-150
Surrogate: d7-N-MeFOSE	72.0 %	25-150



### Sample Information

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<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 1:40 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 11:32	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.300	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:32	BCJ



### Sample Information

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0599	5	EPA 8081B	07/18/2023 12:01	07/20/2023 11:32	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	70.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0303	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:16	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0366	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:24	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0366	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:24	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0366	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:24	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 41.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9750		mg/kg dry	7.69	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-36-0	Antimony	ND	M-CCV 1	mg/kg dry	3.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-38-2	Arsenic	8.32		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-39-3	Barium	52.7		mg/kg dry	3.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-41-7	Beryllium	0.095		mg/kg dry	0.078	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-70-2	Calcium	4610		mg/kg dry	7.70	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-47-3	Chromium	19.6		mg/kg dry	0.770	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-48-4	Cobalt	2.38		mg/kg dry	0.615	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-50-8	Copper	11.5	M-CCV 1	mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7439-89-6	Iron	6120		mg/kg dry	38.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7439-92-1	Lead	86.3		mg/kg dry	0.770	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7439-95-4	Magnesium	2360		mg/kg dry	7.70	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7439-96-5	Manganese	111		mg/kg dry	0.770	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-02-0	Nickel	14.5		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-09-7	Potassium	2270		mg/kg dry	7.70	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-22-4	Silver	ND		mg/kg dry	0.776	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG





### Sample Information

**Client Sample ID:** RIB04\_21-23

**York Sample ID:** 23G0881-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 1:40 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	2100	M-CCV 1	mg/kg dry	77.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-28-0	Thallium	4.56		mg/kg dry	3.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-62-2	Vanadium	28.0		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG
7440-66-6	Zinc	34.0		mg/kg dry	3.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:20	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.483		mg/kg dry	0.0554	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:33	07/24/2023 11:55	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.923	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/21/2023 14:45	07/21/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	19.6		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.923	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

Client Sample ID: RIB04\_21-23

York Sample ID: 23G0881-14

York Project (SDG) No. 23G0881

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 17, 2023 1:40 pm

Date Received 07/17/2023

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	54.1		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 2:30 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:34	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:34	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
67-64-1	<b>Acetone</b>	<b>0.071</b>		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 19:34	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

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170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 19:34	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 19:34	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %	76-130								

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.0870</b>	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH



### Sample Information

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**York Sample ID:** 23G0881-15

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July 17, 2023 2:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0529</b>	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.215</b>		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
120-12-7	<b>Anthracene</b>	<b>0.272</b>		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>2.77</b>		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

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Soil

July 17, 2023 2:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	2.63		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
205-99-2	Benzo(b)fluoranthene	0.930		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
191-24-2	Benzo(g,h,i)perylene	1.68		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
207-08-9	Benzo(k)fluoranthene	0.936		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
86-74-8	Carbazole	0.0573	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
218-01-9	Chrysene	2.86		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
53-70-3	Dibenzo(a,h)anthracene	0.405		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
206-44-0	Fluoranthene	2.52		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH



### Sample Information

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Soil

July 17, 2023 2:30 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.0508</b>	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.57</b>	CCVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
91-20-3	<b>Naphthalene</b>	<b>0.0522</b>	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
85-01-8	<b>Phenanthrene</b>	<b>0.777</b>		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
129-00-0	<b>Pyrene</b>	<b>3.93</b>		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/25/2023 03:51	KH
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:21	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	76.8 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	73.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	113 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.2 %	24-116								



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 20:25	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	43.5 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.119	0.190	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0568	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.113	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.192	0.196	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.184	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.179	0.199	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.203	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.205	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.175	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.134	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.110	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.159	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.208	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.117	0.429	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.157	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ





### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.166	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.205	0.207	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.638	0.815	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.809	0.823	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.117	0.858	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:13	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.149	0.382	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.207	0.429	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0665	0.429	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.103	0.429	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.168	0.202	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.638	0.804	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.652	0.858	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.333	0.811	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.264	0.802	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.187	0.811	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.181	0.208	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.133	0.206	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.680	1.07	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.25	5.36	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.61	5.36	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.655	2.14	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ



**Sample Information**

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 2:30 pm	<u>Date Received</u> 07/17/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.193	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.747	2.14	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:13	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	118 %	25-150
Surrogate: M5PFHxA	136 %	25-150
Surrogate: M4PFHpA	107 %	25-150
Surrogate: M3PFHxS	125 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	117 %	25-150
Surrogate: M6PFDA	108 %	25-150
Surrogate: M7PFUdA	110 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	113 %	25-150
Surrogate: M2PFTeDA	107 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	111 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	114 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	137 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	98.5 %	10-150
Surrogate: d3-N-MeFOSAA	144 %	25-150
Surrogate: d5-N-EtFOSAA	176 %	25-150
Surrogate: M2-6:2 FTS	235 %	25-200
Surrogate: M2-8:2 FTS	209 %	25-200
Surrogate: M9PFNA	105 %	25-150
Surrogate: M2-4:2 FTS	174 %	25-150
Surrogate: d-N-MeFOSA	59.1 %	25-150
Surrogate: d-N-EtFOSA	51.0 %	25-150
Surrogate: M3HFPO-DA	109 %	25-150
Surrogate: d9-N-EtFOSE	59.0 %	25-150
Surrogate: d7-N-MeFOSE	66.6 %	25-150



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 2:30 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
50-29-3	4,4'-DDT [2C]	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
309-00-2	Aldrin	ND	P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 11:50	BCJ
1031-07-8	Endosulfan sulfate	ND	P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 11:50	BCJ



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B	07/18/2023 12:01	07/20/2023 11:50	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>			Certifications:			
2051-24-3	Surrogate: Decachlorobiphenyl	67.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:30	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	46.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0215	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:35	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0215	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:35	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0215	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:35	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 22.8 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7790		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-36-0	Antimony	3.24	M-CCV 1	mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-38-2	Arsenic	11.3		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-39-3	Barium	128		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-41-7	Beryllium	0.078		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-70-2	Calcium	20000		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-47-3	Chromium	28.1		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-48-4	Cobalt	5.96		mg/kg dry	0.363	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-50-8	Copper	73.6	M-CCV 1	mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7439-89-6	Iron	13700		mg/kg dry	22.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7439-92-1	Lead	274		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7439-95-4	Magnesium	5400		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7439-96-5	Manganese	277		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-02-0	Nickel	55.6		mg/kg dry	0.906	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-09-7	Potassium	1310		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG
7440-22-4	Silver	ND		mg/kg dry	0.458	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:33	CEG





Sample Information

Client Sample ID: RIB05\_0-2

York Sample ID: 23G0881-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:30 pm

07/17/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Sodium, Thallium, Vanadium, and Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Hexavalent.

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Trivalent.

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Cyanide, total.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Total Solids.





**Sample Information**

**Client Sample ID:** RIB05\_0-2

**York Sample ID:** 23G0881-15

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 2:30 pm

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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.6		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 2:35 pm	<u>Date Received</u> 07/17/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 20:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 20:01	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0046</b>	CCVE	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
67-64-1	<b>Acetone</b>	<b>0.027</b>		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 11:45	07/20/2023 20:01	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 11:45	07/20/2023 20:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 11:45	07/20/2023 20:01	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.0514</b>	J	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
83-32-9	<b>Acenaphthene</b>	<b>0.213</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.102</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
120-12-7	<b>Anthracene</b>	<b>0.386</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>1.38</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

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Soil

July 17, 2023 2:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>1.29</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>1.54</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.625</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.556</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
86-74-8	<b>Carbazole</b>	<b>0.128</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
218-01-9	<b>Chrysene</b>	<b>1.37</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.191</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.0982</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
206-44-0	<b>Fluoranthene</b>	<b>2.76</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.201</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.708</b>	CCVE	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
91-20-3	<b>Naphthalene</b>	<b>0.0989</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
85-01-8	<b>Phenanthrene</b>	<b>1.74</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
129-00-0	<b>Pyrene</b>	<b>2.30</b>		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 17:30	07/22/2023 00:53	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	64.5 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	61.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.3 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.0 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	107 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.2 %	24-116





### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

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23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/20/2023 16:45	07/24/2023 20:42	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	46.8 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.129	0.205	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0614	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.207	0.212	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.199	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.193	0.215	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.219	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.221	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.229	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.189	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.145	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.171	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.225	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.126	0.463	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.169	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.180	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.221	0.224	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.689	0.880	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.874	0.889	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.126	0.926	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 09:32	07/25/2023 13:26	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.161	0.412	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.224	0.463	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0718	0.463	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.463	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.182	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.689	0.869	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.704	0.926	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.360	0.876	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.285	0.866	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.202	0.876	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.196	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.144	0.222	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.734	1.16	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.43	5.79	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.74	5.79	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.708	2.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ



**Sample Information**

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.208	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.807	2.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.229	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 09:32	07/25/2023 13:26	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	119 %	25-150
Surrogate: M5PFHxA	138 %	25-150
Surrogate: M4PFHpA	111 %	25-150
Surrogate: M3PFHxS	119 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %	25-150
Surrogate: M6PFDA	97.9 %	25-150
Surrogate: M7PFUdA	117 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	96.3 %	25-150
Surrogate: M2PFTeDA	83.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	124 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	107 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	133 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	97.4 %	10-150
Surrogate: d3-N-MeFOSAA	121 %	25-150
Surrogate: d5-N-EtFOSAA	177 %	25-150
Surrogate: M2-6:2 FTS	214 %	25-200
Surrogate: M2-8:2 FTS	133 %	25-200
Surrogate: M9PFNA	113 %	25-150
Surrogate: M2-4:2 FTS	188 %	25-150
Surrogate: d-N-MeFOSA	45.4 %	25-150
Surrogate: d-N-EtFOSA	39.0 %	25-150
Surrogate: M3HFPO-DA	114 %	25-150
Surrogate: d9-N-EtFOSE	46.8 %	25-150
Surrogate: d7-N-MeFOSE	55.9 %	25-150



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

<u>York Project (SDG) No.</u> 23G0881	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 17, 2023 2:35 pm	<u>Date Received</u> 07/17/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/18/2023 12:01	07/20/2023 12:08	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 12:01	07/20/2023 12:08	BCJ



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0380	5	EPA 8081B	07/18/2023 12:01	07/20/2023 12:08	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	97.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	86.3 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A	07/18/2023 12:01	07/19/2023 00:44	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	61.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:46	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:46	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 20:46	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 70.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7150		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-36-0	Antimony	2.97	M-CCV 1	mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-38-2	Arsenic	12.2		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-39-3	Barium	152		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-41-7	Beryllium	0.060		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.292	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-70-2	Calcium	7180		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-47-3	Chromium	16.3		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-48-4	Cobalt	5.11		mg/kg dry	0.390	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-50-8	Copper	27.4	M-CCV 1	mg/kg dry	1.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7439-89-6	Iron	12200		mg/kg dry	24.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7439-92-1	Lead	308		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7439-95-4	Magnesium	2260		mg/kg dry	4.88	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7439-96-5	Manganese	181		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-02-0	Nickel	32.5		mg/kg dry	0.971	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-09-7	Potassium	1150		mg/kg dry	4.88	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-22-4	Silver	ND		mg/kg dry	0.491	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG



### Sample Information

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Soil

July 17, 2023 2:35 pm

07/17/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	313	M-CCV 1	mg/kg dry	48.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-28-0	Thallium	9.27		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-62-2	Vanadium	22.5		mg/kg dry	0.971	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG
7440-66-6	Zinc	92.3		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 14:16	07/26/2023 16:36	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.04		mg/kg dry	0.0351	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/24/2023 08:33	07/24/2023 12:54	AJL

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.585	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/24/2023 09:00	07/24/2023 16:07	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.3		mg/kg	0.500	1	Calculation Certifications:	07/25/2023 08:31	07/26/2023 18:05	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.585	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB05\_10-12

**York Sample ID:** 23G0881-16

York Project (SDG) No.  
23G0881

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 17, 2023 2:35 pm

Date Received  
07/17/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.5		%	0.100	1	SM 2540G	07/18/2023 18:57	07/18/2023 21:59	CAM2
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** ECFB02\_071723

**York Sample ID:** 23G0881-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Water

July 17, 2023 2:45 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.479	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.357	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.724	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.693	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.428	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.836	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.530	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.765	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.897	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.755	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.704	2.04	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.806	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.235	4.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.897	2.04	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.928	1.95	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.97	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.09	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>0.378</b>	<b>J</b>	ng/L	0.336	8.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ



### Sample Information

**Client Sample ID:** ECFB02\_071723

**York Sample ID:** 23G0881-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Water

July 17, 2023 2:45 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.510	3.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.18	4.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.255	4.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.377	4.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.775	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.29	8.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.714	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
919005-14-4	ADONA	ND		ng/L	0.540	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 13:38	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.948	1.98	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.877	1.96	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.07	5.10	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.47	25.5	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.66	25.5	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.07	20.4	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.61	2.04	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.07	20.4	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.04	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 13:38	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

122 %

25-150

Surrogate: M5PFHxA

149 %

25-150

Surrogate: M4PFHpA

122 %

25-150

Surrogate: M3PFHxS

135 %

25-150



**Sample Information**

**Client Sample ID:** ECFB02\_071723

**York Sample ID:** 23G0881-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0881

170758101

Water

July 17, 2023 2:45 pm

07/17/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	115 %			25-150						
	Surrogate: M6PFDA	136 %			25-150						
	Surrogate: M7PFUdA	136 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	117 %			25-150						
	Surrogate: M2PFTeDA	114 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	15.9 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	136 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	106 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	151 %			10-150						
	Surrogate: d3-N-MeFOSAA	163 %			25-150						
	Surrogate: d5-N-EtFOSAA	159 %			25-150						
	Surrogate: M2-6:2 FTS	206 %			25-200						
	Surrogate: M2-8:2 FTS	131 %			25-200						
	Surrogate: M9PFNA	95.3 %			25-150						
	Surrogate: M2-4:2 FTS	205 %			25-150						
	Surrogate: d-N-MeFOSA	90.8 %			25-150						
	Surrogate: d-N-EtFOSA	96.4 %			25-150						
	Surrogate: M3HFPO-DA	116 %			25-150						
	Surrogate: d9-N-EtFOSE	81.9 %			25-150						
	Surrogate: d7-N-MeFOSE	87.1 %			25-150						



## Analytical Batch Summary

**Batch ID:** BG30848      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-03	RIB01_25.7-27.5	07/19/23
23G0881-04	RIB11_0-2	07/19/23
23G0881-13	RIB04_5-6	07/19/23
23G0881-14	RIB04_21-23	07/19/23
BG30848-BLK1	Blank	07/19/23
BG30848-BS1	LCS	07/19/23
BG30848-MS1	Matrix Spike	07/19/23
BG30848-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG30849      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/20/23
23G0881-05	RIB11_5-7	07/20/23
23G0881-06	RIB11_20-22	07/20/23
23G0881-07	RIB03_0-2	07/20/23
23G0881-09	RIB03_15-17	07/20/23
23G0881-12	RIB04_0-2	07/20/23
23G0881-15	RIB05_0-2	07/20/23
23G0881-16	RIB05_10-12	07/20/23
BG30849-BLK1	Blank	07/20/23
BG30849-BS1	LCS	07/20/23
BG30849-BSD1	LCS Dup	07/20/23

**Batch ID:** BG30855      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-08	RIB03_10.5-12.5	07/24/23
23G0881-10	RIBDUP01_071723	07/24/23
BG30855-BLK1	Blank	07/24/23
BG30855-BS1	LCS	07/24/23
BG30855-BSD1	LCS Dup	07/24/23

**Batch ID:** BG30858      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-02	RIB01_11.5-13.5	07/25/23
BG30858-BLK1	Blank	07/25/23
BG30858-BS1	LCS	07/25/23
BG30858-BSD1	LCS Dup	07/25/23

**Batch ID:** BG30938      **Preparation Method:** EPA 3550C      **Prepared By:** THD



YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/18/23
23G0881-01	RIB01_0-2	07/18/23
23G0881-02	RIB01_11.5-13.5	07/18/23
23G0881-02	RIB01_11.5-13.5	07/18/23
23G0881-03	RIB01_25.7-27.5	07/18/23
23G0881-03	RIB01_25.7-27.5	07/18/23
23G0881-04	RIB11_0-2	07/18/23
23G0881-04	RIB11_0-2	07/18/23
23G0881-05	RIB11_5-7	07/18/23
23G0881-05	RIB11_5-7	07/18/23
23G0881-06	RIB11_20-22	07/18/23
23G0881-06	RIB11_20-22	07/18/23
23G0881-07	RIB03_0-2	07/18/23
23G0881-07	RIB03_0-2	07/18/23
23G0881-08	RIB03_10.5-12.5	07/18/23
23G0881-08	RIB03_10.5-12.5	07/18/23
23G0881-09	RIB03_15-17	07/18/23
23G0881-09	RIB03_15-17	07/18/23
23G0881-10	RIBDUP01_071723	07/18/23
23G0881-10	RIBDUP01_071723	07/18/23
23G0881-12	RIB04_0-2	07/18/23
23G0881-12	RIB04_0-2	07/18/23
23G0881-13	RIB04_5-6	07/18/23
23G0881-13	RIB04_5-6	07/18/23
23G0881-14	RIB04_21-23	07/18/23
23G0881-14	RIB04_21-23	07/18/23
23G0881-15	RIB05_0-2	07/18/23
23G0881-15	RIB05_0-2	07/18/23
23G0881-16	RIB05_10-12	07/18/23
23G0881-16	RIB05_10-12	07/18/23
BG30938-BLK1	Blank	07/18/23
BG30938-BLK2	Blank	07/18/23
BG30938-BS1	LCS	07/18/23
BG30938-BS2	LCS	07/18/23
BG30938-MS1	Matrix Spike	07/18/23
BG30938-MS2	Matrix Spike	07/18/23
BG30938-MSD1	Matrix Spike Dup	07/18/23
BG30938-MSD2	Matrix Spike Dup	07/18/23

**Batch ID:** BG30981      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** SCC

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/18/23
23G0881-02	RIB01_11.5-13.5	07/18/23
23G0881-03	RIB01_25.7-27.5	07/18/23
23G0881-04	RIB11_0-2	07/18/23
23G0881-05	RIB11_5-7	07/18/23
23G0881-06	RIB11_20-22	07/18/23
23G0881-07	RIB03_0-2	07/18/23
23G0881-08	RIB03_10.5-12.5	07/18/23
23G0881-09	RIB03_15-17	07/18/23



23G0881-10	RIBDUP01_071723	07/18/23
23G0881-12	RIB04_0-2	07/18/23
BG30981-BLK1	Blank	07/18/23
BG30981-BS1	LCS	07/18/23
BG30981-MS1	Matrix Spike	07/18/23
BG30981-MSD1	Matrix Spike Dup	07/18/23

**Batch ID:** BG31000      **Preparation Method:** % Solids Prep      **Prepared By:** CAM2

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/18/23
23G0881-02	RIB01_11.5-13.5	07/18/23
23G0881-03	RIB01_25.7-27.5	07/18/23
23G0881-04	RIB11_0-2	07/18/23
23G0881-05	RIB11_5-7	07/18/23
23G0881-06	RIB11_20-22	07/18/23
23G0881-07	RIB03_0-2	07/18/23
23G0881-08	RIB03_10.5-12.5	07/18/23
23G0881-09	RIB03_15-17	07/18/23
23G0881-10	RIBDUP01_071723	07/18/23
23G0881-12	RIB04_0-2	07/18/23
23G0881-13	RIB04_5-6	07/18/23
23G0881-14	RIB04_21-23	07/18/23
23G0881-15	RIB05_0-2	07/18/23
23G0881-16	RIB05_10-12	07/18/23
BG31000-DUP1	Duplicate	07/18/23

**Batch ID:** BG31020      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-13	RIB04_5-6	07/19/23
23G0881-14	RIB04_21-23	07/19/23
23G0881-15	RIB05_0-2	07/19/23
23G0881-16	RIB05_10-12	07/19/23
BG31020-BLK1	Blank	07/19/23
BG31020-BS1	LCS	07/19/23
BG31020-MS1	Matrix Spike	07/19/23
BG31020-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG31040      **Preparation Method:** EPA 1633 Prep      **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/19/23
23G0881-02	RIB01_11.5-13.5	07/19/23
23G0881-03	RIB01_25.7-27.5	07/19/23
23G0881-04	RIB11_0-2	07/19/23
23G0881-05	RIB11_5-7	07/19/23
23G0881-06	RIB11_20-22	07/19/23
23G0881-07	RIB03_0-2	07/19/23
23G0881-08	RIB03_10.5-12.5	07/19/23



23G0881-09	RIB03_15-17	07/19/23
23G0881-10	RIBDUP01_071723	07/19/23
23G0881-12	RIB04_0-2	07/19/23
23G0881-13	RIB04_5-6	07/19/23
23G0881-14	RIB04_21-23	07/19/23
23G0881-15	RIB05_0-2	07/19/23
23G0881-16	RIB05_10-12	07/19/23
BG31040-BLK1	Blank	07/19/23
BG31040-BS1	LCS	07/19/23
BG31040-BS2	LCS	07/19/23
BG31040-DUP1	Duplicate	07/19/23

**Batch ID:** BG31106      **Preparation Method:** EPA 3550C      **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-07	RIB03_0-2	07/20/23
23G0881-08	RIB03_10.5-12.5	07/20/23
23G0881-09	RIB03_15-17	07/20/23
23G0881-10	RIBDUP01_071723	07/20/23
23G0881-12	RIB04_0-2	07/20/23
23G0881-13	RIB04_5-6	07/20/23
23G0881-15	RIB05_0-2	07/20/23
23G0881-16	RIB05_10-12	07/20/23
BG31106-BLK1	Blank	07/20/23
BG31106-BS1	LCS	07/20/23
BG31106-MS1	Matrix Spike	07/20/23
BG31106-MSD1	Matrix Spike Dup	07/20/23

**Batch ID:** BG31137      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/20/23
23G0881-02	RIB01_11.5-13.5	07/20/23
23G0881-03	RIB01_25.7-27.5	07/20/23
23G0881-04	RIB11_0-2	07/20/23
23G0881-05	RIB11_5-7	07/20/23
23G0881-06	RIB11_20-22	07/20/23
23G0881-07	RIB03_0-2	07/20/23
23G0881-08	RIB03_10.5-12.5	07/20/23
23G0881-09	RIB03_15-17	07/20/23
23G0881-10	RIBDUP01_071723	07/20/23
23G0881-12	RIB04_0-2	07/20/23
23G0881-13	RIB04_5-6	07/20/23
23G0881-14	RIB04_21-23	07/20/23
23G0881-15	RIB05_0-2	07/20/23
23G0881-16	RIB05_10-12	07/20/23
BG31137-BLK1	Blank	07/20/23
BG31137-DUP1	Duplicate	07/20/23
BG31137-MS1	Matrix Spike	07/20/23
BG31137-MSD1	Matrix Spike Dup	07/20/23
BG31137-SRM1	Reference	07/20/23



**Batch ID:** BG31176

**Preparation Method:** EPA 3550C

**Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-04	RIB11_0-2	07/21/23
23G0881-04RE1	RIB11_0-2	07/21/23
23G0881-04RE2	RIB11_0-2	07/21/23
23G0881-05	RIB11_5-7	07/21/23
23G0881-05RE1	RIB11_5-7	07/21/23
23G0881-06	RIB11_20-22	07/21/23
23G0881-07	RIB03_0-2	07/21/23
23G0881-07RE1	RIB03_0-2	07/21/23
23G0881-08	RIB03_10.5-12.5	07/21/23
23G0881-09	RIB03_15-17	07/21/23
BG31176-BLK1	Blank	07/21/23
BG31176-BS1	LCS	07/21/23
BG31176-MS1	Matrix Spike	07/21/23
BG31176-MSD1	Matrix Spike Dup	07/21/23

**Batch ID:** BG31177

**Preparation Method:** EPA 3550C

**Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/21/23
23G0881-01RE1	RIB01_0-2	07/21/23
23G0881-02	RIB01_11.5-13.5	07/21/23
23G0881-03	RIB01_25.7-27.5	07/21/23
23G0881-10	RIBDUP01_071723	07/21/23
23G0881-12	RIB04_0-2	07/21/23
23G0881-12RE1	RIB04_0-2	07/21/23
23G0881-13	RIB04_5-6	07/21/23
23G0881-13RE1	RIB04_5-6	07/21/23
23G0881-14	RIB04_21-23	07/21/23
23G0881-15	RIB05_0-2	07/21/23
23G0881-15RE1	RIB05_0-2	07/21/23
23G0881-16	RIB05_10-12	07/21/23
BG31177-BLK1	Blank	07/21/23
BG31177-BS1	LCS	07/21/23
BG31177-MS1	Matrix Spike	07/21/23
BG31177-MSD1	Matrix Spike Dup	07/21/23

**Batch ID:** BG31178

**Preparation Method:** EPA 3550C

**Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/22/23
23G0881-02	RIB01_11.5-13.5	07/22/23
23G0881-03	RIB01_25.7-27.5	07/22/23
23G0881-04	RIB11_0-2	07/22/23
23G0881-05	RIB11_5-7	07/22/23
23G0881-06	RIB11_20-22	07/22/23
23G0881-14	RIB04_21-23	07/22/23



BG31178-BLK1	Blank	07/22/23
BG31178-BS1	LCS	07/22/23
BG31178-MS1	Matrix Spike	07/22/23
BG31178-MSD1	Matrix Spike Dup	07/22/23

**Batch ID:** BG31210      **Preparation Method:** EPA 1633 Prep      **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-17	ECFB02_071723	07/21/23
BG31210-BLK1	Blank	07/21/23
BG31210-BS1	LCS	07/21/23
BG31210-BS2	LCS	07/21/23
BG31210-DUP1	Duplicate	07/21/23

**Batch ID:** BG31228      **Preparation Method:** EPA SW846-3060      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/21/23
23G0881-02	RIB01_11.5-13.5	07/21/23
23G0881-03	RIB01_25.7-27.5	07/21/23
23G0881-04	RIB11_0-2	07/21/23
23G0881-05	RIB11_5-7	07/21/23
23G0881-06	RIB11_20-22	07/21/23
23G0881-07	RIB03_0-2	07/21/23
23G0881-08	RIB03_10.5-12.5	07/21/23
23G0881-09	RIB03_15-17	07/21/23
23G0881-10	RIBDUP01_071723	07/21/23
23G0881-12	RIB04_0-2	07/21/23
23G0881-13	RIB04_5-6	07/21/23
23G0881-14	RIB04_21-23	07/21/23
BG31228-BLK1	Blank	07/21/23
BG31228-DUP1	Duplicate	07/21/23
BG31228-MS1	Matrix Spike	07/21/23
BG31228-MSD1	Matrix Spike Dup	07/21/23
BG31228-SRM1	Reference	07/21/23

**Batch ID:** BG31282      **Preparation Method:** EPA 7473 soil      **Prepared By:** AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/24/23
23G0881-02	RIB01_11.5-13.5	07/24/23
23G0881-03	RIB01_25.7-27.5	07/24/23
23G0881-04	RIB11_0-2	07/24/23
23G0881-05	RIB11_5-7	07/24/23
23G0881-06	RIB11_20-22	07/24/23
23G0881-07	RIB03_0-2	07/24/23
23G0881-08	RIB03_10.5-12.5	07/24/23
23G0881-09	RIB03_15-17	07/24/23
23G0881-10	RIBDUP01_071723	07/24/23
23G0881-12	RIB04_0-2	07/24/23



23G0881-13	RIB04_5-6	07/24/23
BG31282-BLK1	Blank	07/24/23
BG31282-DUP1	Duplicate	07/24/23
BG31282-MS1	Matrix Spike	07/24/23
BG31282-SRM1	Reference	07/24/23

**Batch ID:** BG31284      **Preparation Method:** EPA 7473 soil      **Prepared By:** AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-14	RIB04_21-23	07/24/23
23G0881-15	RIB05_0-2	07/24/23
23G0881-16	RIB05_10-12	07/24/23
BG31284-BLK1	Blank	07/24/23
BG31284-DUP1	Duplicate	07/24/23
BG31284-MS1	Matrix Spike	07/24/23
BG31284-SRM1	Reference	07/24/23

**Batch ID:** BG31293      **Preparation Method:** EPA SW846-3060      **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-15	RIB05_0-2	07/24/23
23G0881-16	RIB05_10-12	07/24/23
BG31293-BLK1	Blank	07/24/23
BG31293-DUP1	Duplicate	07/24/23
BG31293-MS1	Matrix Spike	07/24/23
BG31293-MSD1	Matrix Spike Dup	07/24/23
BG31293-SRM1	Reference	07/24/23

**Batch ID:** BG31324      **Preparation Method:** EPA 3050B      **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/24/23
23G0881-02	RIB01_11.5-13.5	07/24/23
23G0881-03	RIB01_25.7-27.5	07/24/23
23G0881-04	RIB11_0-2	07/24/23
23G0881-05	RIB11_5-7	07/24/23
23G0881-06	RIB11_20-22	07/24/23
23G0881-07	RIB03_0-2	07/24/23
23G0881-08	RIB03_10.5-12.5	07/24/23
23G0881-09	RIB03_15-17	07/24/23
23G0881-10	RIBDUP01_071723	07/24/23
23G0881-12	RIB04_0-2	07/24/23
23G0881-13	RIB04_5-6	07/24/23
23G0881-14	RIB04_21-23	07/24/23
23G0881-15	RIB05_0-2	07/24/23
23G0881-16	RIB05_10-12	07/24/23
BG31324-BLK1	Blank	07/24/23
BG31324-DUP1	Duplicate	07/24/23
BG31324-MS1	Matrix Spike	07/24/23
BG31324-PS1	Post Spike	07/24/23



BG31324-SRM1

Reference

07/24/23

**Batch ID:** BG31369

**Preparation Method:** Analysis Preparation

**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0881-01	RIB01_0-2	07/25/23
23G0881-02	RIB01_11.5-13.5	07/25/23
23G0881-03	RIB01_25.7-27.5	07/25/23
23G0881-04	RIB11_0-2	07/25/23
23G0881-05	RIB11_5-7	07/25/23
23G0881-06	RIB11_20-22	07/25/23
23G0881-07	RIB03_0-2	07/25/23
23G0881-08	RIB03_10.5-12.5	07/25/23
23G0881-09	RIB03_15-17	07/25/23
23G0881-10	RIBDUP01_071723	07/25/23
23G0881-12	RIB04_0-2	07/25/23
23G0881-13	RIB04_5-6	07/25/23
23G0881-14	RIB04_21-23	07/25/23
23G0881-15	RIB05_0-2	07/25/23
23G0881-16	RIB05_10-12	07/25/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30848 - EPA 5035A**

Blank (BG30848-BLK1)	Blank	Prepared & Analyzed: 07/19/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30848 - EPA 5035A**

<b>Blank (BG30848-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/19/2023	
n-Butylbenzene	ND	0.0050	mg/kg wet										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<hr/>													
Surrogate: SURRE: 1,2-Dichloroethane-d4	49.6		ug/L	50.0		99.2	77-125						
Surrogate: SURRE: Toluene-d8	48.5		"	50.0		97.1	85-120						
Surrogate: SURRE: p-Bromofluorobenzene	48.4		"	50.0		96.8	76-130						

<b>LCS (BG30848-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/19/2023	
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.5	75-129						
1,1,1-Trichloroethane	49.6		"	50.0		99.1	71-137						
1,1,2,2-Tetrachloroethane	48.1		"	50.0		96.2	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.4		"	50.0		103	58-146						
1,1,2-Trichloroethane	45.9		"	50.0		91.8	83-123						
1,1-Dichloroethane	45.3		"	50.0		90.6	75-130						
1,1-Dichloroethylene	48.5		"	50.0		97.0	64-137						
1,2,3-Trichlorobenzene	46.5		"	50.0		93.0	81-140						
1,2,3-Trichloropropane	45.0		"	50.0		90.0	81-126						
1,2,4-Trichlorobenzene	48.4		"	50.0		96.7	80-141						
1,2,4-Trimethylbenzene	42.0		"	50.0		84.0	84-125						
1,2-Dibromo-3-chloropropane	49.3		"	50.0		98.6	74-142						
1,2-Dibromoethane	49.2		"	50.0		98.3	86-123						
1,2-Dichlorobenzene	44.9		"	50.0		89.9	85-122						
1,2-Dichloroethane	47.7		"	50.0		95.4	71-133						
1,2-Dichloropropane	43.0		"	50.0		86.1	81-122						
1,3,5-Trimethylbenzene	42.0		"	50.0		84.0	82-126						
1,3-Dichlorobenzene	43.7		"	50.0		87.3	84-124						
1,4-Dichlorobenzene	44.1		"	50.0		88.2	84-124						
1,4-Dioxane	1010		"	1050		95.9	10-228						
2-Butanone	63.0		"	50.0		126	58-147						
2-Hexanone	58.0		"	50.0		116	70-139						
4-Methyl-2-pentanone	53.1		"	50.0		106	72-132						
Acetone	96.5		"	50.0		193	36-155	High Bias					
Acrolein	105		"	50.0		210	10-238						
Acrylonitrile	55.7		"	50.0		111	66-141						
Benzene	47.5		"	50.0		95.0	77-127						
Bromochloromethane	48.2		"	50.0		96.5	74-129						
Bromodichloromethane	42.1		"	50.0		84.3	81-124						



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30848 - EPA 5035A</b>											
<b>LCS (BG30848-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/19/2023
Bromoform	49.7		ug/L	50.0		99.3	80-136				
Bromomethane	59.4		"	50.0		119	32-177				
Carbon disulfide	50.7		"	50.0		101	10-136				
Carbon tetrachloride	49.7		"	50.0		99.4	66-143				
Chlorobenzene	48.0		"	50.0		95.9	86-120				
Chloroethane	53.1		"	50.0		106	51-142				
Chloroform	47.7		"	50.0		95.4	76-131				
Chloromethane	31.7		"	50.0		63.4	49-132				
cis-1,2-Dichloroethylene	46.7		"	50.0		93.4	74-132				
cis-1,3-Dichloropropylene	47.6		"	50.0		95.1	81-129				
Cyclohexane	43.9		"	50.0		87.7	70-130				
Dibromochloromethane	49.7		"	50.0		99.3	10-200				
Dibromomethane	42.8		"	50.0		85.5	83-124				
Dichlorodifluoromethane	17.3		"	50.0		34.6	28-158				
Ethyl Benzene	45.0		"	50.0		90.1	84-125				
Hexachlorobutadiene	45.5		"	50.0		91.1	83-133				
Isopropylbenzene	43.2		"	50.0		86.3	81-127				
Methyl acetate	52.3		"	50.0		105	41-143				
Methyl tert-butyl ether (MTBE)	50.3		"	50.0		101	74-131				
Methylcyclohexane	41.2		"	50.0		82.5	70-130				
Methylene chloride	47.6		"	50.0		95.1	57-141				
n-Butylbenzene	43.4		"	50.0		86.9	80-130				
n-Propylbenzene	42.8		"	50.0		85.5	74-136				
o-Xylene	45.6		"	50.0		91.3	83-123				
p- & m- Xylenes	89.0		"	100		89.0	82-128				
p-Isopropyltoluene	42.7		"	50.0		85.5	85-125				
sec-Butylbenzene	43.4		"	50.0		86.7	83-125				
Styrene	46.2		"	50.0		92.3	86-126				
tert-Butyl alcohol (TBA)	201		"	250		80.3	70-130				
tert-Butylbenzene	43.4		"	50.0		86.8	80-127				
Tetrachloroethylene	33.1		"	50.0		66.2	80-129	Low Bias			
Toluene	42.8		"	50.0		85.6	85-121				
trans-1,2-Dichloroethylene	46.8		"	50.0		93.5	72-132				
trans-1,3-Dichloropropylene	50.6		"	50.0		101	78-132				
Trichloroethylene	41.5		"	50.0		83.0	84-123	Low Bias			
Trichlorofluoromethane	50.0		"	50.0		100	62-140				
Vinyl Chloride	41.2		"	50.0		82.4	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.1</i>		<i>"</i>	<i>50.0</i>		<i>96.1</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30848 - EPA 5035A

Matrix Spike (BG30848-MS1)	Matrix Spike	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared & Analyzed: 07/19/2023					
1,1,1,2-Tetrachloroethane	28.7		ug/L	50.0	0.00	57.3	15-161					
1,1,1-Trichloroethane	37.5		"	50.0	0.00	74.9	42-145					
1,1,2,2-Tetrachloroethane	32.8		"	50.0	0.00	65.7	16-167					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.8		"	50.0	0.00	79.5	11-160					
1,1,2-Trichloroethane	35.2		"	50.0	0.00	70.3	44-145					
1,1-Dichloroethane	37.0		"	50.0	0.00	74.0	46-142					
1,1-Dichloroethylene	37.6		"	50.0	0.00	75.2	30-153					
1,2,3-Trichlorobenzene	8.62		"	50.0	0.00	17.2	10-157					
1,2,3-Trichloropropane	34.7		"	50.0	0.00	69.3	38-155					
1,2,4-Trichlorobenzene	9.90		"	50.0	0.00	19.8	10-151					
1,2,4-Trimethylbenzene	20.3		"	50.0	0.00	40.7	10-170					
1,2-Dibromo-3-chloropropane	26.9		"	50.0	0.00	53.8	36-138					
1,2-Dibromoethane	32.0		"	50.0	0.00	64.0	40-142					
1,2-Dichlorobenzene	17.1		"	50.0	0.00	34.2	10-147					
1,2-Dichloroethane	36.2		"	50.0	0.00	72.5	48-133					
1,2-Dichloropropane	34.4		"	50.0	0.00	68.9	47-141					
1,3,5-Trimethylbenzene	21.0		"	50.0	0.00	42.0	10-150					
1,3-Dichlorobenzene	16.8		"	50.0	0.00	33.7	10-144					
1,4-Dichlorobenzene	16.8		"	50.0	0.00	33.6	10-160					
1,4-Dioxane	1080		"	1050	0.00	103	10-191					
2-Butanone	61.2		"	50.0	0.00	122	10-189					
2-Hexanone	50.4		"	50.0	0.00	101	10-181					
4-Methyl-2-pentanone	47.5		"	50.0	0.00	95.0	10-166					
Acetone	117		"	50.0	30.1	174	10-196					
Acrolein	2.74		"	50.0	0.00	5.48	10-192	Low Bias				
Acrylonitrile	43.8		"	50.0	0.00	87.6	13-161					
Benzene	36.1		"	50.0	0.00	72.1	43-139					
Bromochloromethane	35.4		"	50.0	0.00	70.9	38-145					
Bromodichloromethane	30.2		"	50.0	0.00	60.3	38-147					
Bromoform	27.0		"	50.0	0.00	53.9	29-156					
Bromomethane	38.9		"	50.0	0.00	77.8	10-166					
Carbon disulfide	39.6		"	50.0	13.3	52.5	10-131					
Carbon tetrachloride	29.9		"	50.0	0.00	59.7	35-145					
Chlorobenzene	28.0		"	50.0	0.00	56.0	21-154					
Chloroethane	45.9		"	50.0	0.00	91.8	15-160					
Chloroform	38.5		"	50.0	0.00	76.9	47-142					
Chloromethane	26.2		"	50.0	0.00	52.3	10-159					
cis-1,2-Dichloroethylene	34.7		"	50.0	0.00	69.4	42-144					
cis-1,3-Dichloropropylene	25.6		"	50.0	0.00	51.2	18-159					
Cyclohexane	27.3		"	50.0	0.00	54.5	70-130	Low Bias				
Dibromochloromethane	30.9		"	50.0	0.00	61.8	10-179					
Dibromomethane	31.8		"	50.0	0.00	63.6	47-143					
Dichlorodifluoromethane	14.4		"	50.0	0.00	28.7	10-145					
Ethyl Benzene	26.7		"	50.0	0.00	53.3	11-158					
Hexachlorobutadiene	12.5		"	50.0	0.00	25.1	10-158					
Isopropylbenzene	24.2		"	50.0	0.00	48.4	10-162					
Methyl acetate	62.1		"	50.0	0.00	124	10-149					
Methyl tert-butyl ether (MTBE)	43.5		"	50.0	0.00	87.0	42-152					
Methylcyclohexane	21.4		"	50.0	0.00	42.9	70-130	Low Bias				
Methylene chloride	37.6		"	50.0	0.00	75.3	28-151					
n-Butylbenzene	17.0		"	50.0	0.00	34.0	10-162					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30848 - EPA 5035A**

Matrix Spike (BG30848-MS1)	Matrix Spike	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared & Analyzed: 07/19/2023				
n-Propylbenzene	21.2		ug/L	50.0	0.00	42.5	10-155				
o-Xylene	26.1		"	50.0	0.00	52.3	10-158				
p- & m- Xylenes	50.2		"	100	0.00	50.2	10-156				
p-Isopropyltoluene	19.1		"	50.0	0.00	38.2	10-147				
sec-Butylbenzene	19.2		"	50.0	0.00	38.4	10-157				
Styrene	18.8		"	50.0	0.00	37.5	13-171				
tert-Butyl alcohol (TBA)	230		"	250	0.00	91.9	34-179				
tert-Butylbenzene	20.8		"	50.0	0.00	41.6	10-160				
Tetrachloroethylene	19.7		"	50.0	0.00	39.4	30-167				
Toluene	30.4		"	50.0	0.00	60.8	21-160				
trans-1,2-Dichloroethylene	30.9		"	50.0	0.00	61.8	29-153				
trans-1,3-Dichloropropylene	25.4		"	50.0	0.00	50.7	18-155				
Trichloroethylene	28.1		"	50.0	0.00	56.2	24-169				
Trichlorofluoromethane	40.6		"	50.0	0.00	81.1	35-142				
Vinyl Chloride	33.2		"	50.0	0.00	66.3	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.1		"	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	49.0		"	50.0		97.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.4		"	50.0		101	76-130				

Matrix Spike Dup (BG30848-1)	Matrix Spike Dup	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared & Analyzed: 07/19/2023				
1,1,1,2-Tetrachloroethane	22.2		ug/L	50.0	0.00	44.3	15-161		25.6	33	
1,1,1-Trichloroethane	33.4		"	50.0	0.00	66.8	42-145		11.5	30	
1,1,2,2-Tetrachloroethane	20.1		"	50.0	0.00	40.3	16-167		48.0	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.3		"	50.0	0.00	74.6	11-160		6.46	31	
1,1,2-Trichloroethane	25.6		"	50.0	0.00	51.2	44-145		31.5	40	
1,1-Dichloroethane	33.0		"	50.0	0.00	66.0	46-142		11.4	36	
1,1-Dichloroethylene	37.2		"	50.0	0.00	74.4	30-153		1.07	31	
1,2,3-Trichlorobenzene	6.30		"	50.0	0.00	12.6	10-157		31.1	47	
1,2,3-Trichloropropane	21.5		"	50.0	0.00	43.0	38-155		46.8	48	
1,2,4-Trichlorobenzene	7.61		"	50.0	0.00	15.2	10-151		26.2	52	
1,2,4-Trimethylbenzene	17.5		"	50.0	0.00	35.0	10-170		15.0	242	
1,2-Dibromo-3-chloropropane	15.0		"	50.0	0.00	30.1	36-138	Low Bias	56.7	54	Non-dir.
1,2-Dibromoethane	23.8		"	50.0	0.00	47.7	40-142		29.3	39	
1,2-Dichlorobenzene	12.8		"	50.0	0.00	25.5	10-147		29.0	52	
1,2-Dichloroethane	29.8		"	50.0	0.00	59.6	48-133		19.5	32	
1,2-Dichloropropane	28.3		"	50.0	0.00	56.5	47-141		19.7	37	
1,3,5-Trimethylbenzene	18.1		"	50.0	0.00	36.2	10-150		14.8	62	
1,3-Dichlorobenzene	13.8		"	50.0	0.00	27.6	10-144		19.8	51	
1,4-Dichlorobenzene	14.0		"	50.0	0.00	28.0	10-160		18.1	52	
1,4-Dioxane	764		"	1050	0.00	72.7	10-191		34.5	196	
2-Butanone	47.8		"	50.0	0.00	95.6	10-189		24.7	67	
2-Hexanone	34.6		"	50.0	0.00	69.2	10-181		37.2	60	
4-Methyl-2-pentanone	34.0		"	50.0	0.00	68.0	10-166		33.2	47	
Acetone	113		"	50.0	30.1	166	10-196		3.46	150	
Acrolein	1.25		"	50.0	0.00	2.50	10-192	Low Bias	74.7	128	
Acrylonitrile	33.8		"	50.0	0.00	67.6	13-161		25.8	48	
Benzene	32.2		"	50.0	0.00	64.4	43-139		11.3	64	
Bromochloromethane	30.1		"	50.0	0.00	60.2	38-145		16.3	30	
Bromodichloromethane	25.2		"	50.0	0.00	50.4	38-147		17.9	37	
Bromoform	18.7		"	50.0	0.00	37.4	29-156		36.1	51	
Bromomethane	34.0		"	50.0	0.00	67.9	10-166		13.5	42	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30848 - EPA 5035A</b>											
<b>Matrix Spike Dup (BG30848-1 Matrix Spike Dup) Source sample: 23G0881-14 (RIB04_21-23)</b>						Prepared & Analyzed: 07/19/2023					
Carbon disulfide	42.2		ug/L	50.0	13.3	57.7	10-131		6.41	36	
Carbon tetrachloride	31.8		"	50.0	0.00	63.5	35-145		6.17	31	
Chlorobenzene	22.8		"	50.0	0.00	45.7	21-154		20.4	32	
Chloroethane	42.2		"	50.0	0.00	84.4	15-160		8.49	40	
Chloroform	32.2		"	50.0	0.00	64.4	47-142		17.7	29	
Chloromethane	25.6		"	50.0	0.00	51.1	10-159		2.32	31	
cis-1,2-Dichloroethylene	31.5		"	50.0	0.00	63.1	42-144		9.51	30	
cis-1,3-Dichloropropylene	19.0		"	50.0	0.00	38.1	18-159		29.4	39	
Cyclohexane	26.9		"	50.0	0.00	53.8	70-130	Low Bias	1.26	30	
Dibromochloromethane	23.2		"	50.0	0.00	46.5	10-179		28.3	41	
Dibromomethane	24.7		"	50.0	0.00	49.3	47-143		25.2	41	
Dichlorodifluoromethane	13.8		"	50.0	0.00	27.5	10-145		4.27	34	
Ethyl Benzene	23.0		"	50.0	0.00	46.1	11-158		14.6	42	
Hexachlorobutadiene	10.9		"	50.0	0.00	21.7	10-158		14.2	45	
Isopropylbenzene	21.6		"	50.0	0.00	43.1	10-162		11.6	57	
Methyl acetate	42.7		"	50.0	0.00	85.4	10-149		37.0	64	
Methyl tert-butyl ether (MTBE)	35.8		"	50.0	0.00	71.6	42-152		19.5	47	
Methylcyclohexane	21.8		"	50.0	0.00	43.6	70-130	Low Bias	1.62	30	
Methylene chloride	33.3		"	50.0	0.00	66.5	28-151		12.3	49	
n-Butylbenzene	15.5		"	50.0	0.00	31.1	10-162		8.97	96	
n-Propylbenzene	19.1		"	50.0	0.00	38.2	10-155		10.6	56	
o-Xylene	21.9		"	50.0	0.00	43.7	10-158		17.8	51	
p- & m- Xylenes	44.0		"	100	0.00	44.0	10-156		13.3	47	
p-Isopropyltoluene	16.8		"	50.0	0.00	33.5	10-147		13.2	60	
sec-Butylbenzene	17.8		"	50.0	0.00	35.5	10-157		7.79	56	
Styrene	13.5		"	50.0	0.00	27.0	13-171		32.6	39	
tert-Butyl alcohol (TBA)	180		"	250	0.00	72.1	34-179		24.1	35	
tert-Butylbenzene	18.8		"	50.0	0.00	37.5	10-160		10.5	79	
Tetrachloroethylene	18.5		"	50.0	0.00	37.0	30-167		6.18	33	
Toluene	25.9		"	50.0	0.00	51.8	21-160		15.9	50	
trans-1,2-Dichloroethylene	30.9		"	50.0	0.00	61.8	29-153		0.0324	30	
trans-1,3-Dichloropropylene	19.3		"	50.0	0.00	38.6	18-155		27.0	30	
Trichloroethylene	26.6		"	50.0	0.00	53.1	24-169		5.63	30	
Trichlorofluoromethane	38.7		"	50.0	0.00	77.4	35-142		4.72	30	
Vinyl Chloride	33.2		"	50.0	0.00	66.5	12-160		0.211	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.6		"	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.7	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30849 - EPA 5035A**

**Blank (BG30849-BLK1)**

**Blank**

Prepared & Analyzed: 07/20/2023

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30849 - EPA 5035A

Blank (BG30849-BLK1) Blank Prepared & Analyzed: 07/20/2023

n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: SURR: 1,2-Dichloroethane-d4	51.5		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	58.4		"	50.0		117	76-130				

LCS (BG30849-BS1) LCS Prepared & Analyzed: 07/20/2023

1,1,1,2-Tetrachloroethane	45.4		ug/L	50.0		90.7	75-129				
1,1,1-Trichloroethane	47.6		"	50.0		95.2	71-137				
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.4		"	50.0		92.9	58-146				
1,1,2-Trichloroethane	45.5		"	50.0		90.9	83-123				
1,1-Dichloroethane	45.5		"	50.0		91.0	75-130				
1,1-Dichloroethylene	47.2		"	50.0		94.5	64-137				
1,2,3-Trichlorobenzene	47.6		"	50.0		95.2	81-140				
1,2,3-Trichloropropane	47.7		"	50.0		95.4	81-126				
1,2,4-Trichlorobenzene	47.6		"	50.0		95.3	80-141				
1,2,4-Trimethylbenzene	47.8		"	50.0		95.5	84-125				
1,2-Dibromo-3-chloropropane	48.8		"	50.0		97.5	74-142				
1,2-Dibromoethane	46.4		"	50.0		92.9	86-123				
1,2-Dichlorobenzene	45.5		"	50.0		91.0	85-122				
1,2-Dichloroethane	45.0		"	50.0		89.9	71-133				
1,2-Dichloropropane	45.0		"	50.0		90.1	81-122				
1,3,5-Trimethylbenzene	48.3		"	50.0		96.5	82-126				
1,3-Dichlorobenzene	45.7		"	50.0		91.4	84-124				
1,4-Dichlorobenzene	45.4		"	50.0		90.8	84-124				
1,4-Dioxane	882		"	1050		84.0	10-228				
2-Butanone	57.7		"	50.0		115	58-147				
2-Hexanone	49.9		"	50.0		99.8	70-139				
4-Methyl-2-pentanone	37.3		"	50.0		74.6	72-132				
Acetone	45.3		"	50.0		90.5	36-155				
Acrolein	45.7		"	50.0		91.4	10-238				
Acrylonitrile	48.0		"	50.0		96.0	66-141				
Benzene	46.9		"	50.0		93.8	77-127				
Bromochloromethane	44.7		"	50.0		89.5	74-129				
Bromodichloromethane	44.1		"	50.0		88.2	81-124				
Bromoform	47.7		"	50.0		95.4	80-136				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30849 - EPA 5035A</b>											
<b>LCS (BG30849-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/20/2023									
Bromomethane	50.8		ug/L	50.0		102	32-177				
Carbon disulfide	48.8		"	50.0		97.7	10-136				
Carbon tetrachloride	47.0		"	50.0		93.9	66-143				
Chlorobenzene	45.2		"	50.0		90.4	86-120				
Chloroethane	48.9		"	50.0		97.9	51-142				
Chloroform	45.4		"	50.0		90.8	76-131				
Chloromethane	46.6		"	50.0		93.2	49-132				
cis-1,2-Dichloroethylene	46.6		"	50.0		93.3	74-132				
cis-1,3-Dichloropropylene	46.2		"	50.0		92.4	81-129				
Cyclohexane	47.7		"	50.0		95.4	70-130				
Dibromochloromethane	46.5		"	50.0		93.1	10-200				
Dibromomethane	44.0		"	50.0		88.1	83-124				
Dichlorodifluoromethane	50.8		"	50.0		102	28-158				
Ethyl Benzene	46.6		"	50.0		93.2	84-125				
Hexachlorobutadiene	45.0		"	50.0		90.0	83-133				
Isopropylbenzene	45.8		"	50.0		91.6	81-127				
Methyl acetate	43.0		"	50.0		86.1	41-143				
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.7	74-131				
Methylcyclohexane	45.2		"	50.0		90.5	70-130				
Methylene chloride	45.0		"	50.0		90.0	57-141				
n-Butylbenzene	46.8		"	50.0		93.5	80-130				
n-Propylbenzene	45.0		"	50.0		90.0	74-136				
o-Xylene	45.0		"	50.0		89.9	83-123				
p- & m- Xylenes	91.0		"	100		91.0	82-128				
p-Isopropyltoluene	47.4		"	50.0		94.8	85-125				
sec-Butylbenzene	45.1		"	50.0		90.2	83-125				
Styrene	45.2		"	50.0		90.4	86-126				
tert-Butyl alcohol (TBA)	272		"	250		109	70-130				
tert-Butylbenzene	39.4		"	50.0		78.9	80-127	Low Bias			
Tetrachloroethylene	37.9		"	50.0		75.7	80-129	Low Bias			
Toluene	46.0		"	50.0		92.1	85-121				
trans-1,2-Dichloroethylene	46.5		"	50.0		93.0	72-132				
trans-1,3-Dichloropropylene	48.7		"	50.0		97.4	78-132				
Trichloroethylene	44.5		"	50.0		88.9	84-123				
Trichlorofluoromethane	48.0		"	50.0		96.0	62-140				
Vinyl Chloride	48.7		"	50.0		97.3	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.2</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.2</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30849 - EPA 5035A</b>											
LCS Dup (BG30849-BSD1)	LCS Dup		Prepared & Analyzed: 07/20/2023								
1,1,1,2-Tetrachloroethane	47.1		ug/L	50.0		94.1	75-129		3.70	30	
1,1,1-Trichloroethane	49.6		"	50.0		99.2	71-137		4.18	30	
1,1,2,2-Tetrachloroethane	49.3		"	50.0		98.5	79-129		3.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.4		"	50.0		101	58-146		8.12	30	
1,1,2-Trichloroethane	46.6		"	50.0		93.1	83-123		2.35	30	
1,1-Dichloroethane	46.6		"	50.0		93.1	75-130		2.30	30	
1,1-Dichloroethylene	50.2		"	50.0		100	64-137		6.12	30	
1,2,3-Trichlorobenzene	49.6		"	50.0		99.3	81-140		4.17	30	
1,2,3-Trichloropropane	47.5		"	50.0		94.9	81-126		0.462	30	
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141		4.83	30	
1,2,4-Trimethylbenzene	49.8		"	50.0		99.7	84-125		4.26	30	
1,2-Dibromo-3-chloropropane	49.7		"	50.0		99.3	74-142		1.85	30	
1,2-Dibromoethane	47.4		"	50.0		94.8	86-123		2.11	30	
1,2-Dichlorobenzene	47.3		"	50.0		94.6	85-122		3.82	30	
1,2-Dichloroethane	47.6		"	50.0		95.1	71-133		5.62	30	
1,2-Dichloropropane	47.3		"	50.0		94.5	81-122		4.83	30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		4.20	30	
1,3-Dichlorobenzene	48.1		"	50.0		96.3	84-124		5.16	30	
1,4-Dichlorobenzene	47.7		"	50.0		95.4	84-124		5.03	30	
1,4-Dioxane	889		"	1050		84.7	10-228		0.793	30	
2-Butanone	55.4		"	50.0		111	58-147		4.14	30	
2-Hexanone	50.1		"	50.0		100	70-139		0.440	30	
4-Methyl-2-pentanone	37.6		"	50.0		75.2	72-132		0.748	30	
Acetone	44.1		"	50.0		88.1	36-155		2.69	30	
Acrolein	47.1		"	50.0		94.1	10-238		2.95	30	
Acrylonitrile	47.9		"	50.0		95.8	66-141		0.167	30	
Benzene	48.9		"	50.0		97.9	77-127		4.19	30	
Bromochloromethane	46.5		"	50.0		93.1	74-129		3.94	30	
Bromodichloromethane	46.8		"	50.0		93.5	81-124		5.92	30	
Bromoform	48.4		"	50.0		96.8	80-136		1.46	30	
Bromomethane	51.2		"	50.0		102	32-177		0.765	30	
Carbon disulfide	50.9		"	50.0		102	10-136		4.11	30	
Carbon tetrachloride	48.1		"	50.0		96.2	66-143		2.46	30	
Chlorobenzene	47.4		"	50.0		94.8	86-120		4.75	30	
Chloroethane	51.5		"	50.0		103	51-142		5.18	30	
Chloroform	46.8		"	50.0		93.6	76-131		3.06	30	
Chloromethane	47.3		"	50.0		94.6	49-132		1.45	30	
cis-1,2-Dichloroethylene	48.4		"	50.0		96.7	74-132		3.66	30	
cis-1,3-Dichloropropylene	48.5		"	50.0		96.9	81-129		4.75	30	
Cyclohexane	50.4		"	50.0		101	70-130		5.48	30	
Dibromochloromethane	48.5		"	50.0		97.0	10-200		4.10	30	
Dibromomethane	45.1		"	50.0		90.2	83-124		2.31	30	
Dichlorodifluoromethane	53.9		"	50.0		108	28-158		5.98	30	
Ethyl Benzene	48.9		"	50.0		97.9	84-125		4.92	30	
Hexachlorobutadiene	47.9		"	50.0		95.9	83-133		6.37	30	
Isopropylbenzene	47.1		"	50.0		94.2	81-127		2.88	30	
Methyl acetate	42.6		"	50.0		85.2	41-143		1.10	30	
Methyl tert-butyl ether (MTBE)	49.6		"	50.0		99.2	74-131		6.79	30	
Methylcyclohexane	47.1		"	50.0		94.2	70-130		4.05	30	
Methylene chloride	46.5		"	50.0		93.1	57-141		3.30	30	
n-Butylbenzene	48.5		"	50.0		96.9	80-130		3.61	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
<b>Batch BG30849 - EPA 5035A</b>											
<b>LCS Dup (BG30849-bsd1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/20/2023									
n-Propylbenzene	46.8		ug/L	50.0		93.5	74-136			3.84	30
o-Xylene	47.0		"	50.0		94.0	83-123			4.46	30
p- & m- Xylenes	95.4		"	100		95.4	82-128			4.70	30
p-Isopropyltoluene	49.4		"	50.0		98.7	85-125			4.03	30
sec-Butylbenzene	46.8		"	50.0		93.7	83-125			3.83	30
Styrene	47.2		"	50.0		94.5	86-126			4.41	30
tert-Butyl alcohol (TBA)	274		"	250		110	70-130			0.865	30
tert-Butylbenzene	40.8		"	50.0		81.5	80-127			3.32	30
Tetrachloroethylene	39.2		"	50.0		78.5	80-129	Low Bias		3.61	30
Toluene	48.0		"	50.0		95.9	85-121			4.06	30
trans-1,2-Dichloroethylene	49.4		"	50.0		98.7	72-132			5.93	30
trans-1,3-Dichloropropylene	50.5		"	50.0		101	78-132			3.65	30
Trichloroethylene	46.3		"	50.0		92.7	84-123			4.10	30
Trichlorofluoromethane	49.4		"	50.0		98.8	62-140			2.92	30
Vinyl Chloride	50.1		"	50.0		100	52-130			2.96	30
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		"	50.0		99.6	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				

<b>Batch BG30855 - EPA 5035A</b>											
<b>Blank (BG30855-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30855 - EPA 5035A**

**Blank (BG30855-BLK1)      Blank** Prepared & Analyzed: 07/24/2023

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	52.4		ug/L	50.0		105	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	50.1		"	50.0		100	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	44.6		"	50.0		89.1	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30855 - EPA 5035A

LCS (BG30855-BS1)	LCS	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	58.4		ug/L	50.0		117	75-129				
1,1,1-Trichloroethane	58.5		"	50.0		117	71-137				
1,1,2,2-Tetrachloroethane	49.5		"	50.0		98.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	72.1		"	50.0		144	58-146				
1,1,2-Trichloroethane	48.4		"	50.0		96.9	83-123				
1,1-Dichloroethane	48.6		"	50.0		97.2	75-130				
1,1-Dichloroethylene	61.3		"	50.0		123	64-137				
1,2,3-Trichlorobenzene	51.4		"	50.0		103	81-140				
1,2,3-Trichloropropane	49.6		"	50.0		99.1	81-126				
1,2,4-Trichlorobenzene	53.0		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	47.9		"	50.0		95.8	84-125				
1,2-Dibromo-3-chloropropane	49.5		"	50.0		99.1	74-142				
1,2-Dibromoethane	51.9		"	50.0		104	86-123				
1,2-Dichlorobenzene	48.7		"	50.0		97.5	85-122				
1,2-Dichloroethane	50.7		"	50.0		101	71-133				
1,2-Dichloropropane	48.4		"	50.0		96.9	81-122				
1,3,5-Trimethylbenzene	47.8		"	50.0		95.5	82-126				
1,3-Dichlorobenzene	48.3		"	50.0		96.6	84-124				
1,4-Dichlorobenzene	48.7		"	50.0		97.3	84-124				
1,4-Dioxane	885		"	1050		84.3	10-228				
2-Butanone	52.7		"	50.0		105	58-147				
2-Hexanone	55.8		"	50.0		112	70-139				
4-Methyl-2-pentanone	54.7		"	50.0		109	72-132				
Acetone	68.6		"	50.0		137	36-155				
Acrolein	95.9		"	50.0		192	10-238				
Acrylonitrile	51.6		"	50.0		103	66-141				
Benzene	49.4		"	50.0		98.8	77-127				
Bromochloromethane	52.9		"	50.0		106	74-129				
Bromodichloromethane	50.9		"	50.0		102	81-124				
Bromoform	57.7		"	50.0		115	80-136				
Bromomethane	62.2		"	50.0		124	32-177				
Carbon disulfide	56.2		"	50.0		112	10-136				
Carbon tetrachloride	65.4		"	50.0		131	66-143				
Chlorobenzene	53.0		"	50.0		106	86-120				
Chloroethane	73.7		"	50.0		147	51-142	High Bias			
Chloroform	50.5		"	50.0		101	76-131				
Chloromethane	47.0		"	50.0		94.0	49-132				
cis-1,2-Dichloroethylene	50.9		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129				
Cyclohexane	51.7		"	50.0		103	70-130				
Dibromochloromethane	59.9		"	50.0		120	10-200				
Dibromomethane	49.0		"	50.0		97.9	83-124				
Dichlorodifluoromethane	51.0		"	50.0		102	28-158				
Ethyl Benzene	49.8		"	50.0		99.6	84-125				
Hexachlorobutadiene	54.0		"	50.0		108	83-133				
Isopropylbenzene	47.9		"	50.0		95.9	81-127				
Methyl acetate	67.1		"	50.0		134	41-143				
Methyl tert-butyl ether (MTBE)	50.5		"	50.0		101	74-131				
Methylcyclohexane	48.8		"	50.0		97.6	70-130				
Methylene chloride	62.2		"	50.0		124	57-141				
n-Butylbenzene	48.3		"	50.0		96.6	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30855 - EPA 5035A</b>											
<b>LCS (BG30855-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/24/2023
n-Propylbenzene	46.6		ug/L	50.0		93.1	74-136				
o-Xylene	50.4		"	50.0		101	83-123				
p- & m- Xylenes	102		"	100		102	82-128				
p-Isopropyltoluene	49.2		"	50.0		98.5	85-125				
sec-Butylbenzene	47.6		"	50.0		95.2	83-125				
Styrene	49.6		"	50.0		99.2	86-126				
tert-Butyl alcohol (TBA)	251		"	250		101	70-130				
tert-Butylbenzene	48.2		"	50.0		96.3	80-127				
Tetrachloroethylene	39.2		"	50.0		78.4	80-129	Low Bias			
Toluene	47.5		"	50.0		94.9	85-121				
trans-1,2-Dichloroethylene	50.6		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	50.5		"	50.0		101	78-132				
Trichloroethylene	46.8		"	50.0		93.6	84-123				
Trichlorofluoromethane	68.9		"	50.0		138	62-140				
Vinyl Chloride	52.8		"	50.0		106	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	46.7		"	50.0		93.4	76-130				
<b>LCS Dup (BG30855-BSD1)</b>	<b>LCS Dup</b>										Prepared & Analyzed: 07/24/2023
1,1,1,2-Tetrachloroethane	57.8		ug/L	50.0		116	75-129		0.980		30
1,1,1-Trichloroethane	56.9		"	50.0		114	71-137		2.82		30
1,1,2,2-Tetrachloroethane	51.2		"	50.0		102	79-129		3.42		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	66.4		"	50.0		133	58-146		8.15		30
1,1,2-Trichloroethane	49.2		"	50.0		98.5	83-123		1.64		30
1,1-Dichloroethane	48.4		"	50.0		96.8	75-130		0.412		30
1,1-Dichloroethylene	54.7		"	50.0		109	64-137		11.4		30
1,2,3-Trichlorobenzene	51.8		"	50.0		104	81-140		0.737		30
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126		2.59		30
1,2,4-Trichlorobenzene	52.4		"	50.0		105	80-141		1.12		30
1,2,4-Trimethylbenzene	47.0		"	50.0		94.1	84-125		1.83		30
1,2-Dibromo-3-chloropropane	52.0		"	50.0		104	74-142		4.75		30
1,2-Dibromoethane	53.0		"	50.0		106	86-123		2.23		30
1,2-Dichlorobenzene	48.4		"	50.0		96.9	85-122		0.576		30
1,2-Dichloroethane	50.8		"	50.0		102	71-133		0.217		30
1,2-Dichloropropane	48.3		"	50.0		96.5	81-122		0.352		30
1,3,5-Trimethylbenzene	46.8		"	50.0		93.6	82-126		1.99		30
1,3-Dichlorobenzene	48.5		"	50.0		96.9	84-124		0.372		30
1,4-Dichlorobenzene	49.0		"	50.0		97.9	84-124		0.635		30
1,4-Dioxane	976		"	1050		92.9	10-228		9.71		30
2-Butanone	55.9		"	50.0		112	58-147		5.84		30
2-Hexanone	58.1		"	50.0		116	70-139		4.02		30
4-Methyl-2-pentanone	56.5		"	50.0		113	72-132		3.24		30
Acetone	71.1		"	50.0		142	36-155		3.62		30
Acrolein	95.8		"	50.0		192	10-238		0.167		30
Acrylonitrile	54.3		"	50.0		109	66-141		5.04		30
Benzene	49.0		"	50.0		98.0	77-127		0.813		30
Bromochloromethane	52.3		"	50.0		105	74-129		1.20		30
Bromodichloromethane	51.0		"	50.0		102	81-124		0.236		30
Bromoform	58.9		"	50.0		118	80-136		2.01		30
Bromomethane	63.8		"	50.0		128	32-177		2.46		30



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30855 - EPA 5035A</b>											
<b>LCS Dup (BG30855-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/24/2023		
Carbon disulfide	52.6		ug/L	50.0		105	10-136		6.62	30	
Carbon tetrachloride	62.8		"	50.0		126	66-143		3.96	30	
Chlorobenzene	51.8		"	50.0		104	86-120		2.23	30	
Chloroethane	71.9		"	50.0		144	51-142	High Bias	2.44	30	
Chloroform	50.0		"	50.0		100	76-131		0.855	30	
Chloromethane	46.2		"	50.0		92.4	49-132		1.76	30	
cis-1,2-Dichloroethylene	51.3		"	50.0		103	74-132		0.763	30	
cis-1,3-Dichloropropylene	53.4		"	50.0		107	81-129		0.771	30	
Cyclohexane	50.6		"	50.0		101	70-130		2.13	30	
Dibromochloromethane	58.9		"	50.0		118	10-200		1.60	30	
Dibromomethane	49.3		"	50.0		98.7	83-124		0.753	30	
Dichlorodifluoromethane	50.0		"	50.0		100	28-158		1.98	30	
Ethyl Benzene	49.4		"	50.0		98.8	84-125		0.847	30	
Hexachlorobutadiene	53.7		"	50.0		107	83-133		0.613	30	
Isopropylbenzene	47.4		"	50.0		94.7	81-127		1.24	30	
Methyl acetate	55.5		"	50.0		111	41-143		19.0	30	
Methyl tert-butyl ether (MTBE)	51.6		"	50.0		103	74-131		2.29	30	
Methylcyclohexane	48.7		"	50.0		97.3	70-130		0.246	30	
Methylene chloride	52.0		"	50.0		104	57-141		17.9	30	
n-Butylbenzene	47.2		"	50.0		94.4	80-130		2.30	30	
n-Propylbenzene	46.1		"	50.0		92.3	74-136		0.906	30	
o-Xylene	50.3		"	50.0		101	83-123		0.278	30	
p- & m- Xylenes	101		"	100		101	82-128		0.732	30	
p-Isopropyltoluene	48.1		"	50.0		96.2	85-125		2.36	30	
sec-Butylbenzene	47.0		"	50.0		93.9	83-125		1.33	30	
Styrene	49.6		"	50.0		99.3	86-126		0.101	30	
tert-Butyl alcohol (TBA)	256		"	250		102	70-130		1.72	30	
tert-Butylbenzene	47.5		"	50.0		95.0	80-127		1.32	30	
Tetrachloroethylene	39.2		"	50.0		78.3	80-129	Low Bias	0.0255	30	
Toluene	47.4		"	50.0		94.8	85-121		0.126	30	
trans-1,2-Dichloroethylene	49.3		"	50.0		98.6	72-132		2.48	30	
trans-1,3-Dichloropropylene	51.0		"	50.0		102	78-132		0.946	30	
Trichloroethylene	47.6		"	50.0		95.3	84-123		1.80	30	
Trichlorofluoromethane	63.8		"	50.0		128	62-140		7.67	30	
Vinyl Chloride	51.1		"	50.0		102	52-130		3.37	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>47.3</i>		<i>"</i>	<i>50.0</i>		<i>94.7</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30858 - EPA 5035A

Blank (BG30858-BLK1)

Blank

Prepared & Analyzed: 07/25/2023

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30858 - EPA 5035A**

<b>Blank (BG30858-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/25/2023	
n-Propylbenzene	ND	0.0050	mg/kg wet										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<hr/>													
Surrogate: SURR: 1,2-Dichloroethane-d4	50.8		ug/L	50.0		102	77-125						
Surrogate: SURR: Toluene-d8	49.1		"	50.0		98.2	85-120						
Surrogate: SURR: p-Bromofluorobenzene	45.6		"	50.0		91.1	76-130						

<b>LCS (BG30858-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/25/2023	
1,1,1,2-Tetrachloroethane	57.0		ug/L	50.0		114	75-129						
1,1,1-Trichloroethane	58.4		"	50.0		117	71-137						
1,1,2,2-Tetrachloroethane	52.9		"	50.0		106	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.3		"	50.0		105	58-146						
1,1,2-Trichloroethane	49.4		"	50.0		98.8	83-123						
1,1-Dichloroethane	50.4		"	50.0		101	75-130						
1,1-Dichloroethylene	50.5		"	50.0		101	64-137						
1,2,3-Trichlorobenzene	53.6		"	50.0		107	81-140						
1,2,3-Trichloropropane	52.9		"	50.0		106	81-126						
1,2,4-Trichlorobenzene	55.3		"	50.0		111	80-141						
1,2,4-Trimethylbenzene	49.3		"	50.0		98.7	84-125						
1,2-Dibromo-3-chloropropane	51.1		"	50.0		102	74-142						
1,2-Dibromoethane	53.8		"	50.0		108	86-123						
1,2-Dichlorobenzene	49.9		"	50.0		99.7	85-122						
1,2-Dichloroethane	51.2		"	50.0		102	71-133						
1,2-Dichloropropane	48.4		"	50.0		96.8	81-122						
1,3,5-Trimethylbenzene	48.5		"	50.0		97.1	82-126						
1,3-Dichlorobenzene	50.4		"	50.0		101	84-124						
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124						
1,4-Dioxane	1020		"	1050		97.3	10-228						
2-Butanone	58.7		"	50.0		117	58-147						
2-Hexanone	56.0		"	50.0		112	70-139						
4-Methyl-2-pentanone	54.8		"	50.0		110	72-132						
Acetone	65.7		"	50.0		131	36-155						
Acrolein	88.2		"	50.0		176	10-238						
Acrylonitrile	53.8		"	50.0		108	66-141						
Benzene	50.8		"	50.0		102	77-127						
Bromochloromethane	53.8		"	50.0		108	74-129						
Bromodichloromethane	51.0		"	50.0		102	81-124						
Bromoform	57.5		"	50.0		115	80-136						



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	
<b>Batch BG30858 - EPA 5035A</b>											
<b>LCS (BG30858-BS1)</b>	<b>LCS</b>									Prepared & Analyzed: 07/25/2023	
Bromomethane	49.4		ug/L	50.0		98.7	32-177				
Carbon disulfide	51.7		"	50.0		103	10-136				
Carbon tetrachloride	64.6		"	50.0		129	66-143				
Chlorobenzene	52.4		"	50.0		105	86-120				
Chloroethane	56.7		"	50.0		113	51-142				
Chloroform	51.5		"	50.0		103	76-131				
Chloromethane	40.6		"	50.0		81.1	49-132				
cis-1,2-Dichloroethylene	52.4		"	50.0		105	74-132				
cis-1,3-Dichloropropylene	54.4		"	50.0		109	81-129				
Cyclohexane	51.8		"	50.0		104	70-130				
Dibromochloromethane	58.7		"	50.0		117	10-200				
Dibromomethane	48.8		"	50.0		97.7	83-124				
Dichlorodifluoromethane	44.2		"	50.0		88.5	28-158				
Ethyl Benzene	49.4		"	50.0		98.9	84-125				
Hexachlorobutadiene	55.0		"	50.0		110	83-133				
Isopropylbenzene	49.8		"	50.0		99.7	81-127				
Methyl acetate	54.6		"	50.0		109	41-143				
Methyl tert-butyl ether (MTBE)	54.1		"	50.0		108	74-131				
Methylcyclohexane	48.8		"	50.0		97.6	70-130				
Methylene chloride	53.4		"	50.0		107	57-141				
n-Butylbenzene	48.3		"	50.0		96.6	80-130				
n-Propylbenzene	48.2		"	50.0		96.3	74-136				
o-Xylene	50.2		"	50.0		100	83-123				
p- & m- Xylenes	98.6		"	100		98.6	82-128				
p-Isopropyltoluene	49.9		"	50.0		99.8	85-125				
sec-Butylbenzene	49.3		"	50.0		98.5	83-125				
Styrene	50.2		"	50.0		100	86-126				
tert-Butyl alcohol (TBA)	259		"	250		103	70-130				
tert-Butylbenzene	49.8		"	50.0		99.6	80-127				
Tetrachloroethylene	38.9		"	50.0		77.7	80-129	Low Bias			
Toluene	47.4		"	50.0		94.8	85-121				
trans-1,2-Dichloroethylene	50.8		"	50.0		102	72-132				
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132				
Trichloroethylene	47.8		"	50.0		95.7	84-123				
Trichlorofluoromethane	56.5		"	50.0		113	62-140				
Vinyl Chloride	47.0		"	50.0		93.9	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30858 - EPA 5035A</b>												
LCS Dup (BG30858-BSD1)	LCS Dup							Prepared & Analyzed: 07/25/2023				
1,1,1,2-Tetrachloroethane	55.7		ug/L	50.0		111	75-129		2.29	30		
1,1,1-Trichloroethane	56.6		"	50.0		113	71-137		3.04	30		
1,1,2,2-Tetrachloroethane	52.3		"	50.0		105	79-129		1.12	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.9		"	50.0		108	58-146		2.98	30		
1,1,2-Trichloroethane	47.5		"	50.0		95.1	83-123		3.82	30		
1,1-Dichloroethane	48.9		"	50.0		97.8	75-130		2.92	30		
1,1-Dichloroethylene	48.0		"	50.0		96.1	64-137		4.89	30		
1,2,3-Trichlorobenzene	52.2		"	50.0		104	81-140		2.63	30		
1,2,3-Trichloropropane	50.7		"	50.0		101	81-126		4.23	30		
1,2,4-Trichlorobenzene	54.0		"	50.0		108	80-141		2.45	30		
1,2,4-Trimethylbenzene	48.3		"	50.0		96.7	84-125		2.05	30		
1,2-Dibromo-3-chloropropane	49.0		"	50.0		98.0	74-142		4.12	30		
1,2-Dibromoethane	52.0		"	50.0		104	86-123		3.42	30		
1,2-Dichlorobenzene	49.0		"	50.0		98.0	85-122		1.72	30		
1,2-Dichloroethane	49.7		"	50.0		99.3	71-133		3.07	30		
1,2-Dichloropropane	47.8		"	50.0		95.5	81-122		1.31	30		
1,3,5-Trimethylbenzene	48.4		"	50.0		96.9	82-126		0.165	30		
1,3-Dichlorobenzene	49.2		"	50.0		98.4	84-124		2.53	30		
1,4-Dichlorobenzene	49.6		"	50.0		99.1	84-124		2.37	30		
1,4-Dioxane	997		"	1050		95.0	10-228		2.38	30		
2-Butanone	57.7		"	50.0		115	58-147		1.68	30		
2-Hexanone	53.5		"	50.0		107	70-139		4.67	30		
4-Methyl-2-pentanone	52.6		"	50.0		105	72-132		4.19	30		
Acetone	60.0		"	50.0		120	36-155		8.96	30		
Acrolein	83.5		"	50.0		167	10-238		5.56	30		
Acrylonitrile	53.3		"	50.0		107	66-141		0.897	30		
Benzene	49.8		"	50.0		99.6	77-127		1.89	30		
Bromochloromethane	52.0		"	50.0		104	74-129		3.48	30		
Bromodichloromethane	49.7		"	50.0		99.4	81-124		2.48	30		
Bromoform	54.5		"	50.0		109	80-136		5.36	30		
Bromomethane	49.0		"	50.0		98.0	32-177		0.711	30		
Carbon disulfide	52.8		"	50.0		106	10-136		1.99	30		
Carbon tetrachloride	61.5		"	50.0		123	66-143		4.93	30		
Chlorobenzene	51.6		"	50.0		103	86-120		1.64	30		
Chloroethane	54.9		"	50.0		110	51-142		3.30	30		
Chloroform	49.8		"	50.0		99.7	76-131		3.26	30		
Chloromethane	39.7		"	50.0		79.5	49-132		2.02	30		
cis-1,2-Dichloroethylene	51.1		"	50.0		102	74-132		2.45	30		
cis-1,3-Dichloropropylene	52.1		"	50.0		104	81-129		4.41	30		
Cyclohexane	50.9		"	50.0		102	70-130		1.91	30		
Dibromochloromethane	56.2		"	50.0		112	10-200		4.35	30		
Dibromomethane	47.7		"	50.0		95.5	83-124		2.26	30		
Dichlorodifluoromethane	42.7		"	50.0		85.3	28-158		3.61	30		
Ethyl Benzene	48.1		"	50.0		96.2	84-125		2.79	30		
Hexachlorobutadiene	54.5		"	50.0		109	83-133		1.02	30		
Isopropylbenzene	49.8		"	50.0		99.7	81-127		0.0401	30		
Methyl acetate	52.0		"	50.0		104	41-143		4.81	30		
Methyl tert-butyl ether (MTBE)	53.0		"	50.0		106	74-131		2.03	30		
Methylcyclohexane	48.3		"	50.0		96.7	70-130		0.927	30		
Methylene chloride	51.2		"	50.0		102	57-141		4.15	30		
n-Butylbenzene	47.4		"	50.0		94.7	80-130		2.03	30		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30858 - EPA 5035A</b>											
<b>LCS Dup (BG30858-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/25/2023		
n-Propylbenzene	47.9		ug/L	50.0		95.9	74-136		0.479	30	
o-Xylene	49.1		"	50.0		98.1	83-123		2.22	30	
p- & m- Xylenes	96.7		"	100		96.7	82-128		1.92	30	
p-Isopropyltoluene	49.4		"	50.0		98.9	85-125		0.966	30	
sec-Butylbenzene	48.4		"	50.0		96.7	83-125		1.86	30	
Styrene	48.6		"	50.0		97.1	86-126		3.36	30	
tert-Butyl alcohol (TBA)	265		"	250		106	70-130		2.63	30	
tert-Butylbenzene	49.3		"	50.0		98.6	80-127		1.05	30	
Tetrachloroethylene	38.5		"	50.0		76.9	80-129	Low Bias	1.01	30	
Toluene	47.0		"	50.0		93.9	85-121		0.975	30	
trans-1,2-Dichloroethylene	50.1		"	50.0		100	72-132		1.41	30	
trans-1,3-Dichloropropylene	50.7		"	50.0		101	78-132		2.99	30	
Trichloroethylene	46.5		"	50.0		93.1	84-123		2.78	30	
Trichlorofluoromethane	54.6		"	50.0		109	62-140		3.33	30	
Vinyl Chloride	45.7		"	50.0		91.3	52-130		2.83	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>76-130</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

Blank (BG31176-BLK1) Blank

Prepared: 07/21/2023 Analyzed: 07/24/2023

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

Blank (BG31176-BLK1) Blank

Prepared: 07/21/2023 Analyzed: 07/24/2023

Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	0.943		"	1.66		56.8	20-108				
Surrogate: SURR: Phenol-d6	0.868		"	1.66		52.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.451		"	0.831		54.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.446		"	0.831		53.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.07		"	1.66		64.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.490		"	0.831		59.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31176 - EPA 3550C</b>											
<b>LCS (BG31176-BS1)</b>	<b>LCS</b>	Prepared: 07/21/2023 Analyzed: 07/24/2023									
1,1-Biphenyl	0.536	0.0416	mg/kg wet	0.831		64.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.696	0.0830	"	0.831		83.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.546	0.0416	"	0.831		65.7	17-137				
2,3,4,6-Tetrachlorophenol	0.557	0.0830	"	0.831		67.0	30-130				
2,4,5-Trichlorophenol	0.600	0.0416	"	0.831		72.3	27-118				
2,4,6-Trichlorophenol	0.558	0.0416	"	0.831		67.2	31-120				
2,4-Dichlorophenol	0.555	0.0416	"	0.831		66.8	20-127				
2,4-Dimethylphenol	0.458	0.0416	"	0.831		55.2	14-132				
2,4-Dinitrophenol	0.514	0.0830	"	0.831		61.9	10-171				
2,4-Dinitrotoluene	0.546	0.0416	"	0.831		65.8	34-131				
2,6-Dinitrotoluene	0.551	0.0416	"	0.831		66.4	31-128				
2-Chloronaphthalene	0.525	0.0416	"	0.831		63.2	31-117				
2-Chlorophenol	0.535	0.0416	"	0.831		64.4	33-113				
2-Methylnaphthalene	0.540	0.0416	"	0.831		65.0	12-138				
2-Methylphenol	0.534	0.0416	"	0.831		64.3	10-136				
2-Nitroaniline	0.548	0.0830	"	0.831		66.0	27-132				
2-Nitrophenol	0.560	0.0416	"	0.831		67.4	17-129				
3- & 4-Methylphenols	0.469	0.0416	"	0.831		56.5	29-103				
3,3-Dichlorobenzidine	0.511	0.0416	"	0.831		61.5	22-149				
3-Nitroaniline	0.496	0.0830	"	0.831		59.8	20-133				
4,6-Dinitro-2-methylphenol	0.670	0.0830	"	0.831		80.6	10-143				
4-Bromophenyl phenyl ether	0.536	0.0416	"	0.831		64.5	29-120				
4-Chloro-3-methylphenol	0.563	0.0416	"	0.831		67.8	24-129				
4-Chloroaniline	0.411	0.0416	"	0.831		49.4	10-132				
4-Chlorophenyl phenyl ether	0.510	0.0416	"	0.831		61.4	27-124				
4-Nitroaniline	0.526	0.0830	"	0.831		63.4	16-128				
4-Nitrophenol	0.507	0.0830	"	0.831		61.0	10-141				
Acenaphthene	0.509	0.0416	"	0.831		61.3	30-121				
Acenaphthylene	0.500	0.0416	"	0.831		60.2	30-115				
Acetophenone	0.487	0.0416	"	0.831		58.6	20-112				
Aniline	0.354	0.166	"	0.831		42.6	10-119				
Anthracene	0.528	0.0416	"	0.831		63.6	34-118				
Atrazine	0.579	0.0416	"	0.831		69.8	26-112				
Benzaldehyde	0.496	0.0416	"	0.831		59.7	21-100				
Benzo(a)anthracene	0.540	0.0416	"	0.831		65.0	32-122				
Benzo(a)pyrene	0.539	0.0416	"	0.831		64.9	29-133				
Benzo(b)fluoranthene	0.533	0.0416	"	0.831		64.2	25-133				
Benzo(g,h,i)perylene	0.584	0.0416	"	0.831		70.4	10-143				
Benzo(k)fluoranthene	0.554	0.0416	"	0.831		66.7	25-128				
Benzoic acid	0.311	0.0416	"	0.831		37.4	10-140				
Benzyl alcohol	0.497	0.0416	"	0.831		59.8	30-115				
Benzyl butyl phthalate	0.506	0.0416	"	0.831		61.0	26-126				
Bis(2-chloroethoxy)methane	0.525	0.0416	"	0.831		63.2	19-132				
Bis(2-chloroethyl)ether	0.497	0.0416	"	0.831		59.9	19-125				
Bis(2-chloroisopropyl)ether	0.488	0.0416	"	0.831		58.8	20-135				
Bis(2-ethylhexyl)phthalate	0.524	0.0416	"	0.831		63.0	10-155				
Caprolactam	0.586	0.0830	"	0.831		70.6	10-127				
Carbazole	0.543	0.0416	"	0.831		65.4	35-123				
Chrysene	0.534	0.0416	"	0.831		64.2	32-123				
Dibenzo(a,h)anthracene	0.655	0.0416	"	0.831		78.9	10-136				
Dibenzofuran	0.512	0.0416	"	0.831		61.6	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

LCS (BG31176-BS1)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Diethyl phthalate	0.514	0.0416	mg/kg wet	0.831		61.9	34-116				
Dimethyl phthalate	0.532	0.0416	"	0.831		64.0	35-124				
Di-n-butyl phthalate	0.537	0.0416	"	0.831		64.6	31-116				
Di-n-octyl phthalate	0.513	0.0416	"	0.831		61.8	26-136				
Diphenylamine	0.642	0.0830	"	0.831		77.2	40-140				
Fluoranthene	0.517	0.0416	"	0.831		62.3	33-122				
Fluorene	0.505	0.0416	"	0.831		60.8	29-123				
Hexachlorobenzene	0.536	0.0416	"	0.831		64.5	21-124				
Hexachlorobutadiene	0.536	0.0416	"	0.831		64.6	10-149				
Hexachlorocyclopentadiene	0.392	0.0416	"	0.831		47.2	10-129				
Hexachloroethane	0.469	0.0416	"	0.831		56.5	28-108				
Indeno(1,2,3-cd)pyrene	0.641	0.0416	"	0.831		77.2	10-135				
Isophorone	0.536	0.0416	"	0.831		64.6	20-132				
Naphthalene	0.519	0.0416	"	0.831		62.5	23-124				
Nitrobenzene	0.539	0.0416	"	0.831		64.8	13-132				
N-Nitrosodimethylamine	0.482	0.0416	"	0.831		58.0	11-129				
N-nitroso-di-n-propylamine	0.477	0.0416	"	0.831		57.5	24-119				
N-Nitrosodiphenylamine	0.627	0.0416	"	0.831		75.5	22-152				
Pentachlorophenol	0.535	0.0416	"	0.831		64.4	10-139				
Phenanthrene	0.531	0.0416	"	0.831		63.9	33-123				
Phenol	0.528	0.0416	"	0.831		63.6	23-115				
Pyrene	0.531	0.0416	"	0.831		63.9	24-130				
Pyridine	0.384	0.166	"	0.831		46.2	10-91				
Surrogate: SURR: 2-Fluorophenol	1.07		"	1.66		64.1	20-108				
Surrogate: SURR: Phenol-d6	1.02		"	1.66		61.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.523		"	0.831		63.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.525		"	0.831		63.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.24		"	1.66		74.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.542		"	0.831		65.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

Matrix Spike (BG31176-MS1) Matrix Spike \*Source sample: 23G0850-02 (Matrix Spike) Prepared: 07/21/2023 Analyzed: 07/24/2023

1,1-Biphenyl	0.654	0.0985	mg/kg dry	0.984	ND	66.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.805	0.197	"	0.984	ND	81.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.673	0.0985	"	0.984	ND	68.4	10-144				
2,3,4,6-Tetrachlorophenol	0.884	0.197	"	0.984	ND	89.8	30-130				
2,4,5-Trichlorophenol	0.757	0.0985	"	0.984	ND	76.9	10-127				
2,4,6-Trichlorophenol	0.694	0.0985	"	0.984	ND	70.6	10-132				
2,4-Dichlorophenol	0.669	0.0985	"	0.984	ND	68.0	10-128				
2,4-Dimethylphenol	0.520	0.0985	"	0.984	ND	52.8	10-137				
2,4-Dinitrophenol	ND	0.197	"	0.984	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.624	0.0985	"	0.984	ND	63.4	16-135				
2,6-Dinitrotoluene	0.637	0.0985	"	0.984	ND	64.7	18-131				
2-Chloronaphthalene	0.645	0.0985	"	0.984	ND	65.5	10-129				
2-Chlorophenol	0.523	0.0985	"	0.984	ND	53.1	15-116				
2-Methylnaphthalene	0.637	0.0985	"	0.984	ND	64.7	10-147				
2-Methylphenol	0.603	0.0985	"	0.984	ND	61.3	10-136				
2-Nitroaniline	0.752	0.197	"	0.984	ND	76.4	10-137				
2-Nitrophenol	0.513	0.0985	"	0.984	ND	52.1	10-129				
3- & 4-Methylphenols	0.531	0.0985	"	0.984	ND	54.0	10-123				
3,3-Dichlorobenzidine	ND	0.0985	"	0.984	ND		10-155	Low Bias			
3-Nitroaniline	0.409	0.197	"	0.984	ND	41.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.197	"	0.984	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.708	0.0985	"	0.984	ND	71.9	14-128				
4-Chloro-3-methylphenol	0.728	0.0985	"	0.984	ND	73.9	10-134				
4-Chloroaniline	0.363	0.0985	"	0.984	ND	36.9	10-145				
4-Chlorophenyl phenyl ether	0.681	0.0985	"	0.984	ND	69.2	14-130				
4-Nitroaniline	0.352	0.197	"	0.984	ND	35.8	10-147				
4-Nitrophenol	0.631	0.197	"	0.984	ND	64.2	10-137				
Acenaphthene	0.635	0.0985	"	0.984	ND	64.5	10-146				
Acenaphthylene	0.664	0.0985	"	0.984	ND	67.4	10-134				
Acetophenone	0.533	0.0985	"	0.984	ND	54.2	10-116				
Aniline	0.313	0.394	"	0.984	ND	31.8	10-123				
Anthracene	0.736	0.0985	"	0.984	ND	74.8	10-142				
Atrazine	0.771	0.0985	"	0.984	ND	78.3	19-115				
Benzaldehyde	0.491	0.0985	"	0.984	ND	49.9	10-125				
Benzo(a)anthracene	1.15	0.0985	"	0.984	0.349	81.6	10-158				
Benzo(a)pyrene	1.47	0.0985	"	0.984	0.428	106	10-180				
Benzo(b)fluoranthene	1.96	0.0985	"	0.984	0.763	121	10-200				
Benzo(g,h,i)perylene	1.44	0.0985	"	0.984	0.402	106	10-138				
Benzo(k)fluoranthene	1.13	0.0985	"	0.984	0.249	89.9	10-197				
Benzoic acid	0.352	0.0985	"	0.984	ND	35.8	10-166				
Benzyl alcohol	0.514	0.0985	"	0.984	ND	52.2	12-124				
Benzyl butyl phthalate	0.877	0.0985	"	0.984	ND	89.1	10-154				
Bis(2-chloroethoxy)methane	0.552	0.0985	"	0.984	ND	56.1	10-132				
Bis(2-chloroethyl)ether	0.481	0.0985	"	0.984	ND	48.9	10-119				
Bis(2-chloroisopropyl)ether	0.494	0.0985	"	0.984	ND	50.2	10-139				
Bis(2-ethylhexyl)phthalate	2.13	0.0985	"	0.984	1.49	65.1	10-167				
Caprolactam	0.733	0.197	"	0.984	ND	74.5	10-132				
Carbazole	0.728	0.0985	"	0.984	ND	73.9	10-167				
Chrysene	1.36	0.0985	"	0.984	0.514	85.7	10-156				
Dibenzo(a,h)anthracene	0.967	0.0985	"	0.984	0.0620	91.9	10-137				
Dibenzofuran	0.677	0.0985	"	0.984	ND	68.8	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

Matrix Spike (BG31176-MS1) Matrix Spike \*Source sample: 23G0850-02 (Matrix Spike) Prepared: 07/21/2023 Analyzed: 07/24/2023

Diethyl phthalate	0.669	0.0985	mg/kg dry	0.984	ND	67.9	20-120				
Dimethyl phthalate	0.656	0.0985	"	0.984	ND	66.6	18-131				
Di-n-butyl phthalate	0.730	0.0985	"	0.984	ND	74.2	10-137				
Di-n-octyl phthalate	0.763	0.0985	"	0.984	0.0596	71.5	10-180				
Diphenylamine	0.858	0.197	"	0.984	ND	87.2	40-140				
Fluoranthene	1.93	0.0985	"	0.984	0.871	108	10-160				
Fluorene	0.700	0.0985	"	0.984	ND	71.1	10-157				
Hexachlorobenzene	0.713	0.0985	"	0.984	ND	72.5	10-137				
Hexachlorobutadiene	0.554	0.0985	"	0.984	ND	56.2	10-132				
Hexachlorocyclopentadiene	ND	0.0985	"	0.984	ND		10-106	Low Bias			
Hexachloroethane	0.375	0.0985	"	0.984	ND	38.1	10-110				
Indeno(1,2,3-cd)pyrene	1.69	0.0985	"	0.984	0.450	126	10-144				
Isophorone	0.564	0.0985	"	0.984	ND	57.3	10-132				
Naphthalene	0.561	0.0985	"	0.984	ND	57.0	10-141				
Nitrobenzene	0.535	0.0985	"	0.984	ND	54.4	10-131				
N-Nitrosodimethylamine	0.395	0.0985	"	0.984	ND	40.2	10-126				
N-nitroso-di-n-propylamine	0.495	0.0985	"	0.984	ND	50.3	10-125				
N-Nitrosodiphenylamine	0.754	0.0985	"	0.984	ND	76.6	10-177				
Pentachlorophenol	0.641	0.0985	"	0.984	ND	65.1	10-153				
Phenanthrene	1.01	0.0985	"	0.984	0.284	73.7	10-148				
Phenol	0.554	0.0985	"	0.984	ND	56.3	10-126				
Pyrene	1.54	0.0985	"	0.984	0.723	83.4	10-165				
Pyridine	0.280	0.394	"	0.984	ND	28.4	10-83				
Surrogate: SURR: 2-Fluorophenol	0.989		"	1.97		50.2	20-108				
Surrogate: SURR: Phenol-d6	1.08		"	1.97		55.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.543		"	0.984		55.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.625		"	0.984		63.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.57		"	1.97		79.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.665		"	0.984		67.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31176 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31176-1 Matrix Spike Dup) Source sample: 23G0850-02 (Matrix Spike Dup)</b>						Prepared: 07/21/2023 Analyzed: 07/24/2023					
1,1-Biphenyl	0.497	0.0979	mg/kg dry	0.978	ND	50.9	10-130		27.1	30	
1,2,4,5-Tetrachlorobenzene	0.645	0.195	"	0.978	ND	66.0	10-133		22.0	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.515	0.0979	"	0.978	ND	52.6	10-144		26.7	30	
2,3,4,6-Tetrachlorophenol	0.706	0.195	"	0.978	ND	72.2	30-130		22.4	30	
2,4,5-Trichlorophenol	0.616	0.0979	"	0.978	ND	63.0	10-127		20.4	30	
2,4,6-Trichlorophenol	0.581	0.0979	"	0.978	ND	59.4	10-132		17.8	30	
2,4-Dichlorophenol	0.546	0.0979	"	0.978	ND	55.8	10-128		20.3	30	
2,4-Dimethylphenol	0.400	0.0979	"	0.978	ND	41.0	10-137		25.9	30	
2,4-Dinitrophenol	ND	0.195	"	0.978	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.332	0.0979	"	0.978	ND	34.0	16-135		60.9	30	Non-dir.
2,6-Dinitrotoluene	0.368	0.0979	"	0.978	ND	37.7	18-131		53.4	30	Non-dir.
2-Chloronaphthalene	0.499	0.0979	"	0.978	ND	51.0	10-129		25.5	30	
2-Chlorophenol	0.407	0.0979	"	0.978	ND	41.6	15-116		25.0	30	
2-Methylnaphthalene	0.505	0.0979	"	0.978	ND	51.6	10-147		23.2	30	
2-Methylphenol	0.469	0.0979	"	0.978	ND	48.0	10-136		25.0	30	
2-Nitroaniline	0.638	0.195	"	0.978	ND	65.3	10-137		16.4	30	
2-Nitrophenol	0.250	0.0979	"	0.978	ND	25.6	10-129		68.8	30	Non-dir.
3- & 4-Methylphenols	0.411	0.0979	"	0.978	ND	42.0	10-123		25.6	30	
3,3-Dichlorobenzidine	ND	0.0979	"	0.978	ND		10-155	Low Bias		30	
3-Nitroaniline	0.522	0.195	"	0.978	ND	53.4	12-133		24.1	30	
4,6-Dinitro-2-methylphenol	ND	0.195	"	0.978	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.584	0.0979	"	0.978	ND	59.7	14-128		19.3	30	
4-Chloro-3-methylphenol	0.589	0.0979	"	0.978	ND	60.2	10-134		21.0	30	
4-Chloroaniline	0.365	0.0979	"	0.978	ND	37.4	10-145		0.633	30	
4-Chlorophenyl phenyl ether	0.540	0.0979	"	0.978	ND	55.2	14-130		23.2	30	
4-Nitroaniline	0.477	0.195	"	0.978	ND	48.8	10-147		30.2	30	Non-dir.
4-Nitrophenol	0.441	0.195	"	0.978	ND	45.1	10-137		35.5	30	Non-dir.
Acenaphthene	0.488	0.0979	"	0.978	ND	49.9	10-146		26.1	30	
Acenaphthylene	0.505	0.0979	"	0.978	ND	51.6	10-134		27.3	30	
Acetophenone	0.420	0.0979	"	0.978	ND	43.0	10-116		23.7	30	
Aniline	0.289	0.392	"	0.978	ND	29.6	10-123		7.95	30	
Anthracene	0.591	0.0979	"	0.978	ND	60.4	10-142		22.0	30	
Atrazine	0.628	0.0979	"	0.978	ND	64.2	19-115		20.4	30	
Benzaldehyde	0.400	0.0979	"	0.978	ND	41.0	10-125		20.4	30	
Benzo(a)anthracene	0.868	0.0979	"	0.978	0.349	53.2	10-158		28.1	30	
Benzo(a)pyrene	1.08	0.0979	"	0.978	0.428	66.4	10-180		31.1	30	Non-dir.
Benzo(b)fluoranthene	1.36	0.0979	"	0.978	0.763	60.9	10-200		36.2	30	Non-dir.
Benzo(g,h,i)perylene	1.02	0.0979	"	0.978	0.402	63.7	10-138		33.9	30	Non-dir.
Benzo(k)fluoranthene	0.864	0.0979	"	0.978	0.249	62.9	10-197		27.1	30	
Benzoic acid	0.308	0.0979	"	0.978	ND	31.5	10-166		13.3	30	
Benzyl alcohol	0.415	0.0979	"	0.978	ND	42.5	12-124		21.3	30	
Benzyl butyl phthalate	0.523	0.0979	"	0.978	ND	53.5	10-154		50.5	30	Non-dir.
Bis(2-chloroethoxy)methane	0.427	0.0979	"	0.978	ND	43.7	10-132		25.5	30	
Bis(2-chloroethyl)ether	0.374	0.0979	"	0.978	ND	38.2	10-119		25.1	30	
Bis(2-chloroisopropyl)ether	0.372	0.0979	"	0.978	ND	38.0	10-139		28.2	30	
Bis(2-ethylhexyl)phthalate	1.42	0.0979	"	0.978	1.49	NR	10-167	Low Bias	40.1	30	Non-dir.
Caprolactam	0.594	0.195	"	0.978	ND	60.7	10-132		21.0	30	
Carbazole	0.599	0.0979	"	0.978	ND	61.3	10-167		19.4	30	
Chrysene	0.991	0.0979	"	0.978	0.514	48.8	10-156		31.2	30	Non-dir.
Dibenzo(a,h)anthracene	0.779	0.0979	"	0.978	0.0620	73.3	10-137		21.5	30	
Dibenzofuran	0.519	0.0979	"	0.978	ND	53.1	10-147		26.4	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31176 - EPA 3550C

Matrix Spike Dup (BG31176-1) Matrix Spike Dup Source sample: 23G0850-02 (Matrix Spike Dup)										Prepared: 07/21/2023 Analyzed: 07/24/2023	
Diethyl phthalate	0.519	0.0979	mg/kg dry	0.978	ND	53.0	20-120		25.3	30	
Dimethyl phthalate	0.501	0.0979	"	0.978	ND	51.2	18-131		26.9	30	
Di-n-butyl phthalate	0.582	0.0979	"	0.978	ND	59.5	10-137		22.6	30	
Di-n-octyl phthalate	0.600	0.0979	"	0.978	0.0596	55.3	10-180		23.9	30	
Diphenylamine	0.715	0.195	"	0.978	ND	73.1	40-140		18.2	30	
Fluoranthene	1.40	0.0979	"	0.978	0.871	54.5	10-160		31.7	30	Non-dir.
Fluorene	0.537	0.0979	"	0.978	ND	54.9	10-157		26.4	30	
Hexachlorobenzene	0.566	0.0979	"	0.978	ND	57.8	10-137		23.1	30	
Hexachlorobutadiene	0.463	0.0979	"	0.978	ND	47.4	10-132		17.8	30	
Hexachlorocyclopentadiene	ND	0.0979	"	0.978	ND		10-106	Low Bias		30	
Hexachloroethane	0.220	0.0979	"	0.978	ND	22.5	10-110		52.1	30	Non-dir.
Indeno(1,2,3-cd)pyrene	1.25	0.0979	"	0.978	0.450	82.1	10-144		29.6	30	
Isophorone	0.421	0.0979	"	0.978	ND	43.0	10-132		29.0	30	
Naphthalene	0.453	0.0979	"	0.978	ND	46.3	10-141		21.4	30	
Nitrobenzene	0.409	0.0979	"	0.978	ND	41.8	10-131		26.7	30	
N-Nitrosodimethylamine	0.304	0.0979	"	0.978	ND	31.0	10-126		26.3	30	
N-nitroso-di-n-propylamine	0.395	0.0979	"	0.978	ND	40.4	10-125		22.5	30	
N-Nitrosodiphenylamine	0.621	0.0979	"	0.978	ND	63.5	10-177		19.3	30	
Pentachlorophenol	0.513	0.0979	"	0.978	ND	52.5	10-153		22.1	30	
Phenanthrene	0.785	0.0979	"	0.978	0.284	51.2	10-148		25.1	30	
Phenol	0.441	0.0979	"	0.978	ND	45.1	10-126		22.7	30	
Pyrene	1.16	0.0979	"	0.978	0.723	44.7	10-165		28.4	30	
Pyridine	0.236	0.392	"	0.978	ND	24.2	10-83		16.8	30	
Surrogate: SURR: 2-Fluorophenol	0.810		"	1.96		41.4	20-108				
Surrogate: SURR: Phenol-d6	0.840		"	1.96		43.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.415		"	0.978		42.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.486		"	0.978		49.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.40		"	1.96		71.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.551		"	0.978		56.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31177 - EPA 3550C

Blank (BG31177-BLK1) Blank

Prepared & Analyzed: 07/21/2023

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31177 - EPA 3550C

Blank (BG31177-BLK1) Blank

Prepared & Analyzed: 07/21/2023

Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.18		"	1.66		71.1	20-108				
Surrogate: SURR: Phenol-d6	1.09		"	1.66		65.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.604		"	0.831		72.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.524		"	0.831		63.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.73		"	1.66		104	19-110				
Surrogate: SURR: Terphenyl-d14	0.607		"	0.831		73.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31177 - EPA 3550C</b>											
<b>LCS (BG31177-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/21/2023									
1,1-Biphenyl	0.601	0.0416	mg/kg wet	0.831		72.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.805	0.0830	"	0.831		96.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.527	0.0416	"	0.831		63.5	17-137				
2,3,4,6-Tetrachlorophenol	0.938	0.0830	"	0.831		113	30-130				
2,4,5-Trichlorophenol	0.703	0.0416	"	0.831		84.7	27-118				
2,4,6-Trichlorophenol	0.690	0.0416	"	0.831		83.1	31-120				
2,4-Dichlorophenol	0.689	0.0416	"	0.831		83.0	20-127				
2,4-Dimethylphenol	0.545	0.0416	"	0.831		65.6	14-132				
2,4-Dinitrophenol	0.126	0.0830	"	0.831		15.1	10-171				
2,4-Dinitrotoluene	0.659	0.0416	"	0.831		79.3	34-131				
2,6-Dinitrotoluene	0.670	0.0416	"	0.831		80.7	31-128				
2-Chloronaphthalene	0.579	0.0416	"	0.831		69.7	31-117				
2-Chlorophenol	0.617	0.0416	"	0.831		74.2	33-113				
2-Methylnaphthalene	0.625	0.0416	"	0.831		75.2	12-138				
2-Methylphenol	0.571	0.0416	"	0.831		68.8	10-136				
2-Nitroaniline	0.681	0.0830	"	0.831		82.0	27-132				
2-Nitrophenol	0.683	0.0416	"	0.831		82.3	17-129				
3- & 4-Methylphenols	0.526	0.0416	"	0.831		63.4	29-103				
3,3-Dichlorobenzidine	0.641	0.0416	"	0.831		77.1	22-149				
3-Nitroaniline	0.629	0.0830	"	0.831		75.7	20-133				
4,6-Dinitro-2-methylphenol	0.200	0.0830	"	0.831		24.0	10-143				
4-Bromophenyl phenyl ether	0.595	0.0416	"	0.831		71.6	29-120				
4-Chloro-3-methylphenol	0.691	0.0416	"	0.831		83.2	24-129				
4-Chloroaniline	0.509	0.0416	"	0.831		61.3	10-132				
4-Chlorophenyl phenyl ether	0.593	0.0416	"	0.831		71.4	27-124				
4-Nitroaniline	0.624	0.0830	"	0.831		75.2	16-128				
4-Nitrophenol	0.802	0.0830	"	0.831		96.6	10-141				
Acenaphthene	0.556	0.0416	"	0.831		67.0	30-121				
Acenaphthylene	0.553	0.0416	"	0.831		66.6	30-115				
Acetophenone	0.551	0.0416	"	0.831		66.3	20-112				
Aniline	0.361	0.166	"	0.831		43.5	10-119				
Anthracene	0.597	0.0416	"	0.831		71.9	34-118				
Atrazine	0.614	0.0416	"	0.831		74.0	26-112				
Benzaldehyde	0.569	0.0416	"	0.831		68.5	21-100				
Benzo(a)anthracene	0.633	0.0416	"	0.831		76.2	32-122				
Benzo(a)pyrene	0.650	0.0416	"	0.831		78.3	29-133				
Benzo(b)fluoranthene	0.674	0.0416	"	0.831		81.2	25-133				
Benzo(g,h,i)perylene	0.590	0.0416	"	0.831		71.1	10-143				
Benzo(k)fluoranthene	0.674	0.0416	"	0.831		81.2	25-128				
Benzoic acid	0.571	0.0416	"	0.831		68.8	10-140				
Benzyl alcohol	0.557	0.0416	"	0.831		67.1	30-115				
Benzyl butyl phthalate	0.544	0.0416	"	0.831		65.4	26-126				
Bis(2-chloroethoxy)methane	0.600	0.0416	"	0.831		72.2	19-132				
Bis(2-chloroethyl)ether	0.555	0.0416	"	0.831		66.8	19-125				
Bis(2-chloroisopropyl)ether	0.562	0.0416	"	0.831		67.7	20-135				
Bis(2-ethylhexyl)phthalate	0.543	0.0416	"	0.831		65.3	10-155				
Caprolactam	0.699	0.0830	"	0.831		84.2	10-127				
Carbazole	0.604	0.0416	"	0.831		72.7	35-123				
Chrysene	0.624	0.0416	"	0.831		75.2	32-123				
Dibenzo(a,h)anthracene	0.600	0.0416	"	0.831		72.2	10-136				
Dibenzofuran	0.576	0.0416	"	0.831		69.3	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31177 - EPA 3550C

LCS (BG31177-BS1)	LCS	Prepared & Analyzed: 07/21/2023									
Diethyl phthalate	0.558	0.0416	mg/kg wet	0.831		67.2	34-116				
Dimethyl phthalate	0.582	0.0416	"	0.831		70.0	35-124				
Di-n-butyl phthalate	0.558	0.0416	"	0.831		67.2	31-116				
Di-n-octyl phthalate	0.572	0.0416	"	0.831		68.9	26-136				
Diphenylamine	0.665	0.0830	"	0.831		80.1	40-140				
Fluoranthene	0.619	0.0416	"	0.831		74.6	33-122				
Fluorene	0.576	0.0416	"	0.831		69.3	29-123				
Hexachlorobenzene	0.593	0.0416	"	0.831		71.4	21-124				
Hexachlorobutadiene	0.643	0.0416	"	0.831		77.4	10-149				
Hexachlorocyclopentadiene	0.202	0.0416	"	0.831		24.3	10-129				
Hexachloroethane	0.524	0.0416	"	0.831		63.1	28-108				
Indeno(1,2,3-cd)pyrene	0.165	0.0416	"	0.831		19.9	10-135				
Isophorone	0.623	0.0416	"	0.831		75.0	20-132				
Naphthalene	0.613	0.0416	"	0.831		73.8	23-124				
Nitrobenzene	0.623	0.0416	"	0.831		75.0	13-132				
N-Nitrosodimethylamine	0.539	0.0416	"	0.831		64.9	11-129				
N-nitroso-di-n-propylamine	0.533	0.0416	"	0.831		64.2	24-119				
N-Nitrosodiphenylamine	0.653	0.0416	"	0.831		78.6	22-152				
Pentachlorophenol	1.03	0.0416	"	0.831		125	10-139				
Phenanthrene	0.591	0.0416	"	0.831		71.1	33-123				
Phenol	0.593	0.0416	"	0.831		71.4	23-115				
Pyrene	0.581	0.0416	"	0.831		70.0	24-130				
Pyridine	0.443	0.166	"	0.831		53.3	10-91				
Surrogate: SURR: 2-Fluorophenol	1.21		"	1.66		72.9	20-108				
Surrogate: SURR: Phenol-d6	1.13		"	1.66		68.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.628		"	0.831		75.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.571		"	0.831		68.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.72		"	1.66		104	19-110				
Surrogate: SURR: Terphenyl-d14	0.573		"	0.831		69.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31177 - EPA 3550C</b>												
<b>Matrix Spike (BG31177-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared & Analyzed: 07/21/2023					
1,1-Biphenyl	0.974	0.154	mg/kg dry	1.53	ND	63.5	10-130					
1,2,4,5-Tetrachlorobenzene	1.28	0.307	"	1.53	ND	83.4	10-133					
1,2-Diphenylhydrazine (as Azobenzene)	0.860	0.154	"	1.53	ND	56.1	10-144					
2,3,4,6-Tetrachlorophenol	1.54	0.307	"	1.53	ND	100	30-130					
2,4,5-Trichlorophenol	1.13	0.154	"	1.53	ND	73.4	10-127					
2,4,6-Trichlorophenol	1.10	0.154	"	1.53	ND	72.0	10-132					
2,4-Dichlorophenol	1.12	0.154	"	1.53	ND	72.9	10-128					
2,4-Dimethylphenol	0.925	0.154	"	1.53	ND	60.3	10-137					
2,4-Dinitrophenol	ND	0.307	"	1.53	ND		10-171	Low Bias				
2,4-Dinitrotoluene	1.05	0.154	"	1.53	ND	68.6	16-135					
2,6-Dinitrotoluene	1.08	0.154	"	1.53	ND	70.2	18-131					
2-Chloronaphthalene	0.935	0.154	"	1.53	ND	61.0	10-129					
2-Chlorophenol	0.991	0.154	"	1.53	ND	64.6	15-116					
2-Methylnaphthalene	1.01	0.154	"	1.53	ND	65.6	10-147					
2-Methylphenol	0.920	0.154	"	1.53	ND	60.0	10-136					
2-Nitroaniline	1.03	0.307	"	1.53	ND	67.4	10-137					
2-Nitrophenol	1.09	0.154	"	1.53	ND	71.4	10-129					
3- & 4-Methylphenols	0.885	0.154	"	1.53	ND	57.7	10-123					
3,3-Dichlorobenzidine	0.953	0.154	"	1.53	ND	62.2	10-155					
3-Nitroaniline	1.02	0.307	"	1.53	ND	66.6	12-133					
4,6-Dinitro-2-methylphenol	0.239	0.307	"	1.53	ND	15.6	10-155					
4-Bromophenyl phenyl ether	0.962	0.154	"	1.53	ND	62.7	14-128					
4-Chloro-3-methylphenol	1.10	0.154	"	1.53	ND	72.0	10-134					
4-Chloroaniline	0.839	0.154	"	1.53	ND	54.7	10-145					
4-Chlorophenyl phenyl ether	0.961	0.154	"	1.53	ND	62.6	14-130					
4-Nitroaniline	1.02	0.307	"	1.53	ND	66.4	10-147					
4-Nitrophenol	1.21	0.307	"	1.53	ND	78.9	10-137					
Acenaphthene	0.934	0.154	"	1.53	ND	60.9	10-146					
Acenaphthylene	0.934	0.154	"	1.53	ND	60.9	10-134					
Acetophenone	0.919	0.154	"	1.53	ND	59.9	10-116					
Aniline	0.601	0.615	"	1.53	ND	39.2	10-123					
Anthracene	1.08	0.154	"	1.53	0.0825	65.0	10-142					
Atrazine	1.04	0.154	"	1.53	ND	68.0	19-115					
Benzaldehyde	0.957	0.154	"	1.53	ND	62.4	10-125					
Benzo(a)anthracene	1.38	0.154	"	1.53	0.268	72.3	10-158					
Benzo(a)pyrene	1.32	0.154	"	1.53	0.230	71.1	10-180					
Benzo(b)fluoranthene	1.22	0.154	"	1.53	0.281	61.2	10-200					
Benzo(g,h,i)perylene	1.11	0.154	"	1.53	0.126	64.0	10-138					
Benzo(k)fluoranthene	1.22	0.154	"	1.53	0.103	72.7	10-197					
Benzoic acid	0.0822	0.154	"	1.53	ND	5.36	10-166	Low Bias				
Benzyl alcohol	0.875	0.154	"	1.53	ND	57.0	12-124					
Benzyl butyl phthalate	0.896	0.154	"	1.53	ND	58.4	10-154					
Bis(2-chloroethoxy)methane	0.962	0.154	"	1.53	ND	62.7	10-132					
Bis(2-chloroethyl)ether	0.890	0.154	"	1.53	ND	58.0	10-119					
Bis(2-chloroisopropyl)ether	0.907	0.154	"	1.53	ND	59.1	10-139					
Bis(2-ethylhexyl)phthalate	0.884	0.154	"	1.53	ND	57.6	10-167					
Caprolactam	1.17	0.307	"	1.53	ND	76.6	10-132					
Carbazole	1.00	0.154	"	1.53	ND	65.5	10-167					
Chrysene	1.30	0.154	"	1.53	0.249	68.7	10-156					
Dibenzo(a,h)anthracene	0.985	0.154	"	1.53	ND	64.2	10-137					
Dibenzofuran	0.969	0.154	"	1.53	ND	63.2	10-147					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31177 - EPA 3550C

Matrix Spike (BG31177-MS1)	Matrix Spike	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared & Analyzed: 07/21/2023				
Diethyl phthalate	0.906	0.154	mg/kg dry	1.53	ND	59.0	20-120				
Dimethyl phthalate	0.920	0.154	"	1.53	ND	60.0	18-131				
Di-n-butyl phthalate	0.915	0.154	"	1.53	ND	59.7	10-137				
Di-n-octyl phthalate	0.936	0.154	"	1.53	ND	61.0	10-180				
Diphenylamine	1.08	0.307	"	1.53	ND	70.2	40-140				
Fluoranthene	1.68	0.154	"	1.53	0.500	76.8	10-160				
Fluorene	0.957	0.154	"	1.53	ND	62.4	10-157				
Hexachlorobenzene	0.964	0.154	"	1.53	ND	62.9	10-137				
Hexachlorobutadiene	1.03	0.154	"	1.53	ND	67.1	10-132				
Hexachlorocyclopentadiene	0.222	0.154	"	1.53	ND	14.5	10-106				
Hexachloroethane	0.780	0.154	"	1.53	ND	50.9	10-110				
Indeno(1,2,3-cd)pyrene	0.276	0.154	"	1.53	0.128	9.66	10-144	Low Bias			
Isophorone	1.00	0.154	"	1.53	ND	65.2	10-132				
Naphthalene	1.01	0.154	"	1.53	ND	66.2	10-141				
Nitrobenzene	0.979	0.154	"	1.53	ND	63.8	10-131				
N-Nitrosodimethylamine	0.858	0.154	"	1.53	ND	55.9	10-126				
N-nitroso-di-n-propylamine	0.838	0.154	"	1.53	ND	54.6	10-125				
N-Nitrosodiphenylamine	1.09	0.154	"	1.53	ND	71.2	10-177				
Pentachlorophenol	1.60	0.154	"	1.53	ND	104	10-153				
Phenanthrene	1.45	0.154	"	1.53	0.336	72.7	10-148				
Phenol	0.950	0.154	"	1.53	ND	61.9	10-126				
Pyrene	1.56	0.154	"	1.53	0.452	72.5	10-165				
Pyridine	0.690	0.615	"	1.53	ND	45.0	10-83				
Surrogate: SURR: 2-Fluorophenol	2.01		"	3.07		65.4	20-108				
Surrogate: SURR: Phenol-d6	1.91		"	3.07		62.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	1.07		"	1.53		69.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.955		"	1.53		62.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	3.00		"	3.07		97.8	19-110				
Surrogate: SURR: Terphenyl-d14	1.00		"	1.53		65.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31177 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31177-1) Matrix Spike Dup</b>						Source sample: 23G0881-14 (RIB04_21-23)					
						Prepared & Analyzed: 07/21/2023					
1,1-Biphenyl	1.23	0.151	mg/kg dry	1.51	ND	81.8	10-130		23.5	30	
1,2,4,5-Tetrachlorobenzene	1.61	0.302	"	1.51	ND	106	10-133		22.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.16	0.151	"	1.51	ND	77.0	10-144		29.9	30	
2,3,4,6-Tetrachlorophenol	2.13	0.302	"	1.51	ND	141	30-130	High Bias	32.5	30	Non-dir.
2,4,5-Trichlorophenol	1.60	0.151	"	1.51	ND	106	10-127		34.9	30	Non-dir.
2,4,6-Trichlorophenol	1.57	0.151	"	1.51	ND	104	10-132		34.8	30	Non-dir.
2,4-Dichlorophenol	1.44	0.151	"	1.51	ND	95.3	10-128		25.0	30	
2,4-Dimethylphenol	1.07	0.151	"	1.51	ND	70.6	10-137		14.1	30	
2,4-Dinitrophenol	0.240	0.302	"	1.51	ND	15.9	10-171			30	
2,4-Dinitrotoluene	1.62	0.151	"	1.51	ND	107	16-135		42.3	30	Non-dir.
2,6-Dinitrotoluene	1.49	0.151	"	1.51	ND	98.7	18-131		32.2	30	Non-dir.
2-Chloronaphthalene	1.17	0.151	"	1.51	ND	77.3	10-129		22.0	30	
2-Chlorophenol	1.24	0.151	"	1.51	ND	82.2	15-116		22.3	30	
2-Methylnaphthalene	1.28	0.151	"	1.51	ND	84.7	10-147		23.8	30	
2-Methylphenol	1.13	0.151	"	1.51	ND	74.8	10-136		20.3	30	
2-Nitroaniline	1.45	0.302	"	1.51	ND	96.3	10-137		33.7	30	Non-dir.
2-Nitrophenol	1.41	0.151	"	1.51	ND	93.3	10-129		25.0	30	
3- & 4-Methylphenols	1.07	0.151	"	1.51	ND	71.2	10-123		19.4	30	
3,3-Dichlorobenzidine	1.33	0.151	"	1.51	ND	88.5	10-155		33.3	30	Non-dir.
3-Nitroaniline	1.39	0.302	"	1.51	ND	92.2	12-133		30.5	30	Non-dir.
4,6-Dinitro-2-methylphenol	0.441	0.302	"	1.51	ND	29.2	10-155		59.2	30	Non-dir.
4-Bromophenyl phenyl ether	1.34	0.151	"	1.51	ND	88.8	14-128		32.8	30	Non-dir.
4-Chloro-3-methylphenol	1.47	0.151	"	1.51	ND	97.2	10-134		28.2	30	
4-Chloroaniline	1.09	0.151	"	1.51	ND	72.2	10-145		25.9	30	
4-Chlorophenyl phenyl ether	1.28	0.151	"	1.51	ND	84.8	14-130		28.4	30	
4-Nitroaniline	1.50	0.302	"	1.51	ND	99.3	10-147		38.1	30	Non-dir.
4-Nitrophenol	1.87	0.302	"	1.51	ND	124	10-137		42.7	30	Non-dir.
Acenaphthene	1.19	0.151	"	1.51	ND	79.1	10-146		24.4	30	
Acenaphthylene	1.17	0.151	"	1.51	ND	77.6	10-134		22.5	30	
Acetophenone	1.14	0.151	"	1.51	ND	75.7	10-116		21.6	30	
Aniline	0.787	0.605	"	1.51	ND	52.2	10-123		26.8	30	
Anthracene	1.55	0.151	"	1.51	0.0825	97.5	10-142		36.0	30	Non-dir.
Atrazine	1.56	0.151	"	1.51	ND	103	19-115		39.8	30	Non-dir.
Benzaldehyde	1.18	0.151	"	1.51	ND	78.4	10-125		21.1	30	
Benzo(a)anthracene	1.90	0.151	"	1.51	0.268	108	10-158		32.2	30	Non-dir.
Benzo(a)pyrene	1.92	0.151	"	1.51	0.230	112	10-180		36.9	30	Non-dir.
Benzo(b)fluoranthene	1.94	0.151	"	1.51	0.281	110	10-200		45.5	30	Non-dir.
Benzo(g,h,i)perylene	1.60	0.151	"	1.51	0.126	97.4	10-138		36.2	30	Non-dir.
Benzo(k)fluoranthene	1.81	0.151	"	1.51	0.103	113	10-197		38.9	30	Non-dir.
Benzoic acid	0.142	0.151	"	1.51	ND	9.44	10-166	Low Bias	53.6	30	Non-dir.
Benzyl alcohol	1.08	0.151	"	1.51	ND	71.6	12-124		21.0	30	
Benzyl butyl phthalate	1.27	0.151	"	1.51	ND	84.2	10-154		34.5	30	Non-dir.
Bis(2-chloroethoxy)methane	1.18	0.151	"	1.51	ND	77.9	10-132		20.0	30	
Bis(2-chloroethyl)ether	1.06	0.151	"	1.51	ND	70.2	10-119		17.5	30	
Bis(2-chloroisopropyl)ether	1.13	0.151	"	1.51	ND	75.2	10-139		22.3	30	
Bis(2-ethylhexyl)phthalate	1.26	0.151	"	1.51	ND	83.7	10-167		35.3	30	Non-dir.
Caprolactam	1.68	0.302	"	1.51	ND	111	10-132		35.5	30	Non-dir.
Carbazole	1.51	0.151	"	1.51	ND	99.8	10-167		39.9	30	Non-dir.
Chrysene	1.81	0.151	"	1.51	0.249	104	10-156		32.8	30	Non-dir.
Dibenzo(a,h)anthracene	1.45	0.151	"	1.51	ND	96.1	10-137		38.1	30	Non-dir.
Dibenzofuran	1.26	0.151	"	1.51	ND	83.8	10-147		26.5	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31177 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31177-1) Matrix Spike Dup</b>						Source sample: 23G0881-14 (RIB04_21-23)					
						Prepared & Analyzed: 07/21/2023					
Diethyl phthalate	1.30	0.151	mg/kg dry	1.51	ND	85.9	20-120		35.5	30	Non-dir.
Dimethyl phthalate	1.24	0.151	"	1.51	ND	82.3	18-131		29.8	30	
Di-n-butyl phthalate	1.34	0.151	"	1.51	ND	88.7	10-137		37.6	30	Non-dir.
Di-n-octyl phthalate	1.31	0.151	"	1.51	ND	87.0	10-180		33.4	30	Non-dir.
Diphenylamine	1.51	0.302	"	1.51	ND	100	40-140		33.7	30	Non-dir.
Fluoranthene	2.33	0.151	"	1.51	0.500	121	10-160		32.5	30	Non-dir.
Fluorene	1.32	0.151	"	1.51	ND	87.2	10-157		31.6	30	Non-dir.
Hexachlorobenzene	1.37	0.151	"	1.51	ND	91.0	10-137		34.9	30	Non-dir.
Hexachlorobutadiene	1.30	0.151	"	1.51	ND	86.2	10-132		23.3	30	
Hexachlorocyclopentadiene	0.295	0.151	"	1.51	ND	19.5	10-106		28.0	30	
Hexachloroethane	1.03	0.151	"	1.51	ND	68.0	10-110		27.2	30	
Indeno(1,2,3-cd)pyrene	0.402	0.151	"	1.51	0.128	18.2	10-144		37.1	30	Non-dir.
Isophorone	1.24	0.151	"	1.51	ND	82.4	10-132		21.7	30	
Naphthalene	1.29	0.151	"	1.51	ND	85.7	10-141		24.1	30	
Nitrobenzene	1.26	0.151	"	1.51	ND	83.6	10-131		25.2	30	
N-Nitrosodimethylamine	1.10	0.151	"	1.51	ND	73.2	10-126		25.1	30	
N-nitroso-di-n-propylamine	1.07	0.151	"	1.51	ND	70.9	10-125		24.3	30	
N-Nitrosodiphenylamine	1.55	0.151	"	1.51	ND	103	10-177		35.0	30	Non-dir.
Pentachlorophenol	2.52	0.151	"	1.51	ND	167	10-153	High Bias	45.0	30	Non-dir.
Phenanthrene	2.07	0.151	"	1.51	0.336	115	10-148		35.0	30	Non-dir.
Phenol	1.18	0.151	"	1.51	ND	78.2	10-126		21.6	30	
Pyrene	2.02	0.151	"	1.51	0.452	104	10-165		25.7	30	
Pyridine	0.838	0.605	"	1.51	ND	55.5	10-83		19.4	30	
Surrogate: SURR: 2-Fluorophenol	2.52		"	3.02		83.4	20-108				
Surrogate: SURR: Phenol-d6	2.43		"	3.02		80.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	1.36		"	1.51		90.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	1.20		"	1.51		79.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	4.42		"	3.02		146	19-110				
Surrogate: SURR: Terphenyl-d14	1.46		"	1.51		96.6	24-116				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31106 - EPA 3550C</b>												
<b>Blank (BG31106-BLK1)</b>	<b>Blank</b>										Prepared & Analyzed: 07/20/2023	
1,4-Dioxane	ND	20.0	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	347		"	500		69.4	39-127.5					
<b>LCS (BG31106-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/20/2023	
1,4-Dioxane	492	20.0	ug/kg	500		98.4	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	286		"	500		57.2	39-127.5					
<b>Matrix Spike (BG31106-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0812-02 (Matrix Spike)										Prepared & Analyzed: 07/20/2023
1,4-Dioxane	496	19.2	ug/kg	481	ND	103	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	259		"	481		53.9	40-130					
<b>Matrix Spike Dup (BG31106-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0812-02 (Matrix Spike Dup)										Prepared & Analyzed: 07/20/2023
1,4-Dioxane	492	19.6	ug/kg	490	ND	100	40-130		0.809	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	268		"	490		54.7	40-130					
<b>Batch BG31178 - EPA 3550C</b>												
<b>Blank (BG31178-BLK1)</b>	<b>Blank</b>										Prepared: 07/22/2023 Analyzed: 07/24/2023	
1,4-Dioxane	ND	19.8	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	216		"	248		87.4	39-127.5					
<b>LCS (BG31178-BS1)</b>	<b>LCS</b>										Prepared: 07/22/2023 Analyzed: 07/24/2023	
1,4-Dioxane	500	19.8	ug/kg	495		101	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	226		"	248		91.5	39-127.5					
<b>Matrix Spike (BG31178-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0881-14 (RIB04_21-23)										Prepared: 07/22/2023 Analyzed: 07/24/2023
1,4-Dioxane	462	19.6	ug/kg	490	ND	94.2	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	208		"	245		85.0	40-130					



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag		
		Limit		Level	Result		Limits		Limit					
<b>Batch BG31178 - EPA 3550C</b>														
<b>Matrix Spike Dup (BG31178-1) Matrix Spike Dup</b>										Source sample: 23G0881-14 (RIB04_21-23)			Prepared: 07/22/2023 Analyzed: 07/24/2023	
1,4-Dioxane	475	19.4	ug/kg	485	ND	97.8	40-130		2.77		30			
Surrogate: 1,4-Dioxane-d8	229		"	243		94.4	40-130							



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31040 - EPA 1633 Prep

Blank (BG31040-BLK1) Blank

Prepared: 07/19/2023 Analyzed: 07/25/2023

Perfluorobutanesulfonic acid (PFBS)	ND	0.174	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.748	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.756	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.787	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.350	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.738	"								
HFPO-DA (Gen-X)	ND	0.787	"								
11CL-PF3OUdS	ND	0.744	"								
9CL-PF3ONS	ND	0.736	"								
ADONA	ND	0.744	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.984	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.92	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.92	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	2.23		"	2.29		97.1	25-150				
Surrogate: M5PFHxA	2.63		"	2.46		107	25-150				
Surrogate: M4PFHpA	1.89		"	2.46		76.8	25-150				
Surrogate: M3PFHxS	1.72		"	2.33		73.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.81		"	2.46		73.7	25-150				
Surrogate: M6PFDA	0.552		"	1.23		44.8	25-150				
Surrogate: M7PFUdA	0.625		"	1.23		50.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.592		"	1.23		48.1	25-150				
Surrogate: M2PFTeDA	0.445		"	1.23		36.2	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31040 - EPA 1633 Prep</b>											
<b>Blank (BG31040-BLK1) Blank</b>		Prepared: 07/19/2023 Analyzed: 07/25/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.39		ug/kg wet	9.84		44.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.79		"	2.36		76.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.47		"	4.92		111	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.26		"	2.46		51.3	10-150				
Surrogate: d3-N-MeFOSAA	2.83		"	4.92		57.5	25-150				
Surrogate: d5-N-EtFOSAA	3.80		"	4.92		77.3	25-150				
Surrogate: M2-6:2 FTS	5.76		"	4.68		123	25-200				
Surrogate: M2-8:2 FTS	3.18		"	4.72		67.3	25-200				
Surrogate: M9PFNA	0.919		"	1.23		74.7	25-150				
Surrogate: M2-4:2 FTS	7.07		"	4.62		153	25-150				
Surrogate: d-N-MeFOSA	1.13		"	2.46		46.1	25-150				
Surrogate: d-N-EtFOSA	1.42		"	2.46		57.6	25-150				
Surrogate: M3HFPO-DA	8.68		"	9.84		88.2	25-150				
Surrogate: d9-N-EtFOSE	9.51		"	24.6		38.7	25-150				
Surrogate: d7-N-MeFOSE	11.3		"	24.6		46.0	25-150				
<b>LCS (BG31040-BS1) LCS</b>		Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	4.26	0.174	ug/kg wet	3.48		122	50-150				
Perfluorohexanoic acid (PFHxA)	5.24	0.197	"	3.94		133	50-150				
Perfluoroheptanoic acid (PFHpA)	4.72	0.197	"	3.94		120	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.63	0.180	"	3.60		128	50-150				
Perfluorooctanoic acid (PFOA)	4.25	0.197	"	3.94		108	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.80	0.183	"	3.66		104	50-150				
Perfluorononanoic acid (PFNA)	5.59	0.197	"	3.94		142	50-150				
Perfluorodecanoic acid (PFDA)	4.80	0.197	"	3.94		122	50-150				
Perfluoroundecanoic acid (PFUnA)	5.01	0.197	"	3.94		127	50-150				
Perfluorododecanoic acid (PFDoA)	4.76	0.197	"	3.94		121	50-150				
Perfluorotridecanoic acid (PFTrDA)	5.78	0.197	"	3.94		147	50-150				
Perfluorotetradecanoic acid (PFTA)	5.10	0.197	"	3.94		130	50-150				
N-MeFOSAA	5.26	0.197	"	3.94		134	50-150				
N-EtFOSAA	4.64	0.197	"	3.94		118	50-150				
Perfluoropentanoic acid (PFPeA)	10.5	0.394	"	7.87		133	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.97	0.197	"	3.94		152	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.80	0.197	"	3.76		128	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.23	0.190	"	3.80		85.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	29.6	0.748	"	15.0		198	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	26.3	0.756	"	15.1		174	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	20.6	0.787	"	15.7		131	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.38	0.350	"	7.01		134	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.84	0.394	"	7.87		112	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.8	0.394	"	7.87		138	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	9.88	0.394	"	7.87		125	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.22	0.185	"	3.70		168	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	21.0	0.738	"	14.8		142	50-150				
HFPO-DA (Gen-X)	9.63	0.787	"	7.87		122	50-150				
11CL-PF3OUdS	5.43	0.744	"	7.44		72.9	50-150				
9CL-PF3ONS	5.06	0.736	"	7.36		68.7	50-150				
ADONA	11.2	0.744	"	7.44		150	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31040 - EPA 1633 Prep**

LCS (BG31040-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.37	0.191	ug/kg wet	3.82		88.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.02	0.189	"	3.78		106	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	72.2	0.984	"	15.7		458	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	112	4.92	"	78.7		142	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	23.9	4.92	"	78.7		30.3	50-150	Low Bias			
N-MeFOSE	47.2	1.97	"	39.4		120	50-150				
N-MeFOSA	5.54	0.197	"	3.94		141	50-150				
N-EtFOSE	55.5	1.97	"	39.4		141	50-150				
N-EtFOSA	4.32	0.197	"	3.94		110	50-150				
Surrogate: M3PFBS	2.68		"	2.29		117	25-150				
Surrogate: M5PFHxA	3.27		"	2.46		133	25-150				
Surrogate: M4PFHpA	2.31		"	2.46		94.0	25-150				
Surrogate: M3PFHxS	2.03		"	2.33		86.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.46		"	2.46		100	25-150				
Surrogate: M6PFDA	1.03		"	1.23		83.5	25-150				
Surrogate: M7PFUdA	1.02		"	1.23		83.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.932		"	1.23		75.8	25-150				
Surrogate: M2PFTeDA	0.768		"	1.23		62.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.5		"	9.84		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.19		"	2.36		92.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.94		"	4.92		141	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.56		"	2.46		63.4	10-150				
Surrogate: d3-N-MeFOSAA	3.76		"	4.92		76.4	25-150				
Surrogate: d5-N-EtFOSAA	3.22		"	4.92		65.4	25-150				
Surrogate: M2-6:2 FTS	7.19		"	4.68		154	25-200				
Surrogate: M2-8:2 FTS	4.56		"	4.72		96.4	25-200				
Surrogate: M9PFNA	0.727		"	1.23		59.1	25-150				
Surrogate: M2-4:2 FTS	9.28		"	4.62		201	25-150				
Surrogate: d-N-MeFOSA	1.45		"	2.46		58.8	25-150				
Surrogate: d-N-EtFOSA	1.52		"	2.46		61.7	25-150				
Surrogate: M3HFPO-DA	11.0		"	9.84		112	25-150				
Surrogate: d9-N-EtFOSE	10.7		"	24.6		43.5	25-150				
Surrogate: d7-N-MeFOSE	13.1		"	24.6		53.3	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31040 - EPA 1633 Prep</b>											
<b>LCS (BG31040-BS2)</b>	<b>LCS</b>	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	0.701	0.176	ug/kg wet	0.704		99.7	50-150				
Perfluorohexanoic acid (PFHxA)	0.654	0.199	"	0.795		82.3	50-150				
Perfluoroheptanoic acid (PFHpA)	0.570	0.199	"	0.795		71.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.655	0.182	"	0.728		90.0	50-150				
Perfluorooctanoic acid (PFOA)	0.568	0.199	"	0.795		71.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	1.03	0.185	"	0.740		139	50-150				
Perfluorononanoic acid (PFNA)	0.636	0.199	"	0.795		80.0	50-150				
Perfluorodecanoic acid (PFDA)	0.754	0.199	"	0.795		94.8	50-150				
Perfluoroundecanoic acid (PFUnA)	0.869	0.199	"	0.795		109	50-150				
Perfluorododecanoic acid (PFDoA)	0.556	0.199	"	0.795		69.9	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.971	0.199	"	0.795		122	50-150				
Perfluorotetradecanoic acid (PFTA)	0.715	0.199	"	0.795		89.9	50-150				
N-MeFOSAA	0.918	0.199	"	0.795		115	50-150				
N-EtFOSAA	0.301	0.199	"	0.795		37.9	50-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	1.38	0.398	"	1.59		86.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.845	0.199	"	0.795		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.808	0.199	"	0.759		106	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.307	0.192	"	0.767		40.0	50-150	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.29	0.755	"	3.02		142	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.76	0.763	"	3.05		156	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	2.65	0.795	"	3.18		83.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.23	0.354	"	1.42		87.0	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.28	0.398	"	1.59		80.3	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.50	0.398	"	1.59		94.0	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.25	0.398	"	1.59		78.7	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.850	0.187	"	0.748		114	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	3.33	0.746	"	2.98		112	50-150				
HFPO-DA (Gen-X)	1.87	0.795	"	1.59		117	50-150				
11CL-PF3OUdS	0.589	0.751	"	1.50		39.2	50-150	Low Bias			
9CL-PF3ONS	0.736	0.744	"	1.49		49.5	50-150	Low Bias			
ADONA	1.14	0.751	"	1.50		76.1	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.722	0.193	"	0.771		93.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.808	0.191	"	0.763		106	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	8.74	0.994	"	3.18		275	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	16.1	4.97	"	15.9		102	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2.97	4.97	"	15.9		18.7	50-150	Low Bias			
N-MeFOSE	6.04	1.99	"	7.95		76.0	50-150				
N-MeFOSA	0.716	0.199	"	0.795		90.0	50-150				
N-EtFOSE	6.75	1.99	"	7.95		84.8	50-150				
N-EtFOSA	0.444	0.199	"	0.795		55.9	50-150				
Surrogate: M3PFBS	2.05		"	2.32		88.7	25-150				
Surrogate: M5PFHxA	2.54		"	2.49		102	25-150				
Surrogate: M4PFHpA	1.81		"	2.49		72.8	25-150				
Surrogate: M3PFHxS	1.28		"	2.36		54.5	25-150				
Surrogate: Perfluoro-n-[13C]octanoic acid (M8PFOA)	1.77		"	2.49		71.2	25-150				
Surrogate: M6PFDA	0.701		"	1.24		56.4	25-150				
Surrogate: M7PFUdA	0.750		"	1.24		60.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.923		"	1.24		74.3	25-150				
Surrogate: M2PFTeDA	0.569		"	1.24		45.8	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31040 - EPA 1633 Prep

LCS (BG31040-BS2)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.0		ug/kg wet	9.94		121	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.16		"	2.38		48.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.60		"	4.97		133	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.957		"	2.49		38.5	10-150				
Surrogate: d3-N-MeFOSAA	2.21		"	4.97		44.4	25-150				
Surrogate: d5-N-EtFOSAA	3.25		"	4.97		65.4	25-150				
Surrogate: M2-6:2 FTS	4.70		"	4.73		99.4	25-200				
Surrogate: M2-8:2 FTS	2.82		"	4.77		59.0	25-200				
Surrogate: M9PFNA	1.03		"	1.24		82.9	25-150				
Surrogate: M2-4:2 FTS	5.86		"	4.66		126	25-150				
Surrogate: d-N-MeFOSA	0.843		"	2.49		33.9	25-150				
Surrogate: d-N-EtFOSA	1.48		"	2.49		59.5	25-150				
Surrogate: M3HFPO-DA	8.73		"	9.94		87.8	25-150				
Surrogate: d9-N-EtFOSE	9.39		"	24.9		37.8	25-150				
Surrogate: d7-N-MeFOSE	10.7		"	24.9		43.2	25-150				

Duplicate (BG31040-DUP1)	Duplicate	*Source sample: 23G0881-14 (RIB04_21-23)									
Perfluorobutanesulfonic acid (PFBS)	ND	0.322	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	ND	0.364	"		0.443						30
Perfluoroheptanoic acid (PFHpA)	ND	0.364	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.333	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.364	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.339	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.364	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	0.364	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.364	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.364	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	0.364	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.364	"		ND						30
N-MeFOSAA	ND	0.364	"		ND						30
N-EtFOSAA	ND	0.364	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	0.729	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.364	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.364	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.352	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	1.38	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	1.40	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	1.46	"		22.2						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.648	"		ND						30
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.729	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.729	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.729	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.342	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	1.37	"		ND						30
HFPO-DA (Gen-X)	ND	1.46	"		ND						30
11CL-PF3OUdS	ND	1.38	"		ND						30
9CL-PF3ONS	ND	1.36	"		ND						30
ADONA	ND	1.38	"		ND						30



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31040 - EPA 1633 Prep

Duplicate (BG31040-DUP1)	Duplicate	*Source sample: 23G0881-14 (RIB04_21-23)				Prepared: 07/19/2023 Analyzed: 07/25/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	0.353	ug/kg dry	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.350	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.82	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	9.11	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	9.11	"	13.5			30
N-MeFOSE	ND	3.64	"	ND			30
N-MeFOSA	ND	0.364	"	ND			30
N-EtFOSE	ND	3.64	"	ND			30
N-EtFOSA	ND	0.364	"	ND			30
Surrogate: M3PFBS	4.89		"	4.24	115	25-150	
Surrogate: M5PFHxA	6.06		"	4.55	133	25-150	
Surrogate: M4PFHpA	4.58		"	4.55	101	25-150	
Surrogate: M3PFHxS	5.00		"	4.32	116	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.46		"	4.55	120	25-150	
Surrogate: M6PFDA	3.04		"	2.28	133	25-150	
Surrogate: M7PFUdA	3.48		"	2.28	153	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.02		"	2.28	133	25-150	
Surrogate: M2PFTeDA	3.14		"	2.28	138	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	17.2		"	18.2	94.6	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	6.65		"	4.36	152	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	11.6		"	9.11	127	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	5.47		"	4.55	120	10-150	
Surrogate: d3-N-MeFOSAA	20.9		"	9.11	230	25-150	
Surrogate: d5-N-EtFOSAA	20.5		"	9.11	225	25-150	
Surrogate: M2-6:2 FTS	27.7		"	8.66	320	25-200	
Surrogate: M2-8:2 FTS	20.7		"	8.74	236	25-200	
Surrogate: M9PFNA	1.81		"	2.28	79.7	25-150	
Surrogate: M2-4:2 FTS	23.3		"	8.54	272	25-150	
Surrogate: d-N-MeFOSA	3.87		"	4.55	85.1	25-150	
Surrogate: d-N-EtFOSA	2.91		"	4.55	63.9	25-150	
Surrogate: M3HFPO-DA	18.6		"	18.2	102	25-150	
Surrogate: d9-N-EtFOSE	34.1		"	45.5	74.9	25-150	
Surrogate: d7-N-MeFOSE	39.8		"	45.5	87.4	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>Blank (BG31210-BLK1)</b>	<b>Blank</b>										Prepared: 07/21/2023 Analyzed: 07/24/2023
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
<i>Surrogate: M3PFBS</i>	59.2		"	46.6		127	25-150				
<i>Surrogate: M5PFHxA</i>	75.2		"	50.0		150	25-150				
<i>Surrogate: M4PFHpA</i>	40.9		"	50.0		81.9	25-150				
<i>Surrogate: M3PFHxS</i>	54.6		"	47.4		115	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	67.1		"	50.0		134	25-150				
<i>Surrogate: M6PFDA</i>	29.7		"	25.0		119	25-150				
<i>Surrogate: M7PFUdA</i>	31.4		"	25.0		126	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	36.2		"	25.0		145	25-150				
<i>Surrogate: M2PFTeDA</i>	26.8		"	25.0		107	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>Blank (BG31210-BLK1) Blank</b>		Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	244		ng/L	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	74.9		"	47.9		156	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	139		"	100		139	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	69.4		"	50.0		139	10-150				
Surrogate: d3-N-MeFOSAA	184		"	100		184	25-150				
Surrogate: d5-N-EtFOSAA	236		"	100		236	25-150				
Surrogate: M2-6:2 FTS	632		"	95.1		665	25-200				
Surrogate: M2-8:2 FTS	188		"	96.0		196	25-200				
Surrogate: M9PFNA	28.5		"	25.0		114	25-150				
Surrogate: M2-4:2 FTS	347		"	93.8		370	25-150				
Surrogate: d-N-MeFOSA	49.7		"	50.0		99.5	25-150				
Surrogate: d-N-EtFOSA	42.9		"	50.0		85.9	25-150				
Surrogate: M3HFPO-DA	208		"	200		104	25-150				
Surrogate: d9-N-EtFOSE	478		"	500		95.7	25-150				
Surrogate: d7-N-MeFOSE	539		"	500		108	25-150				
<b>LCS (BG31210-BS1) LCS</b>		Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorobutanesulfonic acid (PFBS)	119	3.54	ng/L	70.8		168	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	130	4.00	"	80.0		163	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	125	4.00	"	80.0		156	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	108	3.66	"	73.2		148	50-150				
Perfluorooctanoic acid (PFOA)	105	4.00	"	80.0		131	50-150				
Perfluorooctanesulfonic acid (PFOS)	114	3.72	"	74.4		153	50-150	High Bias			
Perfluorononanoic acid (PFNA)	78.5	4.00	"	80.0		98.2	50-150				
Perfluorodecanoic acid (PFDA)	134	4.00	"	80.0		167	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	133	4.00	"	80.0		167	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	128	4.00	"	80.0		160	50-150	High Bias			
Perfluorotridecanoic acid (PFTrDA)	126	4.00	"	80.0		157	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	111	4.00	"	80.0		139	50-150				
N-MeFOSAA	139	4.00	"	80.0		174	50-150	High Bias			
N-EtFOSAA	122	4.00	"	80.0		153	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	254	8.00	"	160		159	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	155	4.00	"	80.0		194	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	126	3.82	"	76.4		165	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	103	3.86	"	77.2		133	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	639	15.2	"	304		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	671	15.4	"	307		218	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	499	16.0	"	320		156	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	217	7.12	"	142		152	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	202	8.00	"	160		126	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	261	8.00	"	160		163	50-150	High Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	240	8.00	"	160		150	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	126	3.76	"	75.2		168	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	519	15.0	"	300		173	50-150	High Bias			
HFPO-DA (Gen-X)	274	16.0	"	160		172	50-150	High Bias			
11CL-PF3OUdS	215	15.1	"	151		142	50-150				
9CL-PF3ONS	221	15.0	"	150		148	50-150				
ADONA	304	15.1	"	151		201	50-150	High Bias			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31210 - EPA 1633 Prep

LCS (BG31210-BS1)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorododecanesulfonic acid (PFDoS)	100	3.88	ng/L	77.6		129	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	117	3.84	"	76.8		152	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2340	10.0	"	320		732	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	3030	50.0	"	1600		190	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	596	50.0	"	1600		37.3	50-150	Low Bias			
N-MeFOSE	1150	40.0	"	800		143	50-150				
N-MeFOSA	127	4.00	"	80.0		159	50-150	High Bias			
N-EtFOSE	1260	40.0	"	800		157	50-150	High Bias			
N-EtFOSA	118	4.00	"	80.0		148	50-150				
Surrogate: M3PFBS	55.9		"	46.6		120	25-150				
Surrogate: M5PFHxA	77.2		"	50.0		154	25-150				
Surrogate: M4PFHpA	56.5		"	50.0		113	25-150				
Surrogate: M3PFHxS	61.0		"	47.4		129	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.5		"	50.0		127	25-150				
Surrogate: M6PFDA	26.0		"	25.0		104	25-150				
Surrogate: M7PFUdA	27.9		"	25.0		112	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.8		"	25.0		107	25-150				
Surrogate: M2PFTeDA	25.1		"	25.0		101	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	243		"	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	65.1		"	47.9		136	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	56.0		"	50.0		112	10-150				
Surrogate: d3-N-MeFOSAA	153		"	100		153	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	245		"	95.1		258	25-200				
Surrogate: M2-8:2 FTS	172		"	96.0		179	25-200				
Surrogate: M9PFNA	36.3		"	25.0		145	25-150				
Surrogate: M2-4:2 FTS	216		"	93.8		230	25-150				
Surrogate: d-N-MeFOSA	49.5		"	50.0		99.1	25-150				
Surrogate: d-N-EtFOSA	45.5		"	50.0		91.0	25-150				
Surrogate: M3HFPO-DA	238		"	200		119	25-150				
Surrogate: d9-N-EtFOSE	428		"	500		85.7	25-150				
Surrogate: d7-N-MeFOSE	491		"	500		98.2	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>LCS (BG31210-BS2)</b>	<b>LCS</b>	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorobutanesulfonic acid (PFBS)	15.1	3.54	ng/L	14.2		107	50-150				
Perfluorohexanoic acid (PFHxA)	15.1	4.00	"	16.0		94.3	50-150				
Perfluoroheptanoic acid (PFHpA)	15.1	4.00	"	16.0		94.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	16.6	3.66	"	14.6		113	50-150				
Perfluorooctanoic acid (PFOA)	14.0	4.00	"	16.0		87.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	11.5	3.72	"	14.9		77.2	50-150				
Perfluorononanoic acid (PFNA)	15.2	4.00	"	16.0		95.2	50-150				
Perfluorodecanoic acid (PFDA)	19.8	4.00	"	16.0		123	50-150				
Perfluoroundecanoic acid (PFUnA)	18.2	4.00	"	16.0		114	50-150				
Perfluorododecanoic acid (PFDoA)	16.9	4.00	"	16.0		105	50-150				
Perfluorotridecanoic acid (PFTriDA)	17.6	4.00	"	16.0		110	50-150				
Perfluorotetradecanoic acid (PFTA)	15.0	4.00	"	16.0		93.9	50-150				
N-MeFOSAA	22.1	4.00	"	16.0		138	50-150				
N-EtFOSAA	12.8	4.00	"	16.0		79.9	50-150				
Perfluoropentanoic acid (PFPeA)	32.6	8.00	"	32.0		102	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	15.0	4.00	"	16.0		93.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	17.9	3.82	"	15.3		117	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.5	3.86	"	15.4		81.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	81.6	15.2	"	60.8		134	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	101	15.4	"	61.4		164	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	60.6	16.0	"	64.0		94.7	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.4	7.12	"	28.5		92.7	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	22.4	8.00	"	32.0		70.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	32.5	8.00	"	32.0		102	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	30.8	8.00	"	32.0		96.1	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	17.7	3.76	"	15.0		118	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	67.2	15.0	"	60.0		112	50-150				
HFPO-DA (Gen-X)	15.4	16.0	"	32.0		48.1	50-150	Low Bias			
11CL-PF3OUdS	25.1	15.1	"	30.2		83.1	50-150				
9CL-PF3ONS	26.3	15.0	"	29.9		88.0	50-150				
ADONA	37.6	15.1	"	30.2		124	50-150				
Perfluorododecanesulfonic acid (PFDoS)	7.58	3.88	"	15.5		48.9	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	16.3	3.84	"	15.4		106	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	303	10.0	"	64.0		474	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	365	50.0	"	320		114	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	82.2	50.0	"	320		25.7	50-150	Low Bias			
N-MeFOSE	150	40.0	"	160		93.5	50-150				
N-MeFOSA	12.7	4.00	"	16.0		79.7	50-150				
N-EtFOSE	145	40.0	"	160		90.6	50-150				
N-EtFOSA	16.4	4.00	"	16.0		102	50-150				
<i>Surrogate: M3PFBS</i>	56.0		"	46.6		120	25-150				
<i>Surrogate: M5PFHxA</i>	74.7		"	50.0		149	25-150				
<i>Surrogate: M4PFHpA</i>	59.0		"	50.0		118	25-150				
<i>Surrogate: M3PFHxS</i>	58.8		"	47.4		124	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	61.5		"	50.0		123	25-150				
<i>Surrogate: M6PFDA</i>	28.3		"	25.0		113	25-150				
<i>Surrogate: M7PFUdA</i>	34.0		"	25.0		136	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	34.1		"	25.0		136	25-150				
<i>Surrogate: M2PFTeDA</i>	27.5		"	25.0		110	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31210 - EPA 1633 Prep

LCS (BG31210-BS2)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	204		ng/L	200		102	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	64.2		"	47.9		134	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	145		"	100		145	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.7		"	50.0		132	10-150				
Surrogate: d3-N-MeFOSAA	138		"	100		138	25-150				
Surrogate: d5-N-EtFOSAA	152		"	100		152	25-150				
Surrogate: M2-6:2 FTS	229		"	95.1		241	25-200				
Surrogate: M2-8:2 FTS	146		"	96.0		152	25-200				
Surrogate: M9PFNA	32.8		"	25.0		131	25-150				
Surrogate: M2-4:2 FTS	184		"	93.8		196	25-150				
Surrogate: d-N-MeFOSA	67.6		"	50.0		135	25-150				
Surrogate: d-N-EtFOSA	45.6		"	50.0		91.1	25-150				
Surrogate: M3HFPO-DA	237		"	200		119	25-150				
Surrogate: d9-N-EtFOSE	428		"	500		85.6	25-150				
Surrogate: d7-N-MeFOSE	500		"	500		100	25-150				

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)										Prepared: 07/21/2023 Analyzed: 07/25/2023	
Perfluorobutanesulfonic acid (PFBS)	1.67	1.59	ng/L		3.45				69.6	30	Non-dir.		
Perfluorohexanoic acid (PFHxA)	7.53	1.79	"		14.8			65.4	30	Non-dir.			
Perfluoroheptanoic acid (PFHpA)	0.981	1.79	"		2.20			76.6	30	Non-dir.			
Perfluorohexanesulfonic acid (PFHxS)	1.22	1.64	"		3.00			84.0	30	Non-dir.			
Perfluorooctanoic acid (PFOA)	2.08	1.79	"		3.60			53.3	30	Non-dir.			
Perfluorooctanesulfonic acid (PFOS)	4.30	1.67	"		5.12			17.5	30				
Perfluorononanoic acid (PFNA)	2.86	1.79	"		4.04			34.3	30	Non-dir.			
Perfluorodecanoic acid (PFDA)	ND	1.79	"		ND				30				
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"		ND				30				
Perfluorododecanoic acid (PFDoA)	ND	1.79	"		ND				30				
Perfluorotridecanoic acid (PFTrDA)	ND	1.79	"		ND				30				
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"		ND				30				
N-MeFOSAA	ND	1.79	"		ND				30				
N-EtFOSAA	ND	1.79	"		ND				30				
Perfluoropentanoic acid (PFPeA)	5.22	3.59	"		11.6			76.1	30	Non-dir.			
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"		ND				30				
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.71	"		ND				30				
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.73	"		ND				30				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	6.82	"		ND				30				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	6.89	"		ND				30				
Perfluoro-n-butanoic acid (PFBA)	3.44	7.17	"		6.80			65.6	30	Non-dir.			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.19	"		ND				30				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.59	"		ND				30				
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.59	"		ND				30				
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.59	"		ND				30				
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.69	"		ND				30				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	6.73	"		ND				30				
HFPO-DA (Gen-X)	ND	7.17	"		ND				30				
11CL-PF3OUdS	ND	6.78	"		ND				30				
9CL-PF3ONS	ND	6.71	"		ND				30				
ADONA	ND	6.78	"		ND				30				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31210 - EPA 1633 Prep

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)				Prepared: 07/21/2023 Analyzed: 07/25/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.74	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.72	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.48	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	22.4	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	22.4	"	ND			30
N-MeFOSE	ND	17.9	"	ND			30
N-MeFOSA	ND	1.79	"	ND			30
N-EtFOSE	ND	17.9	"	ND			30
N-EtFOSA	ND	1.79	"	ND			30
Surrogate: M3PFBS	66.0		"	20.9	316	25-150	
Surrogate: M5PFHxA	75.5		"	22.4	337	25-150	
Surrogate: M4PFHpA	64.3		"	22.4	287	25-150	
Surrogate: M3PFHxS	67.0		"	21.3	315	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.8		"	22.4	276	25-150	
Surrogate: M6PFDA	20.3		"	11.2	181	25-150	
Surrogate: M7PFUdA	23.1		"	11.2	206	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.0		"	11.2	178	25-150	
Surrogate: M2PFTeDA	11.2		"	11.2	100	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.3		"	89.7	26.0	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	61.8		"	21.5	288	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110		"	44.8	246	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.4		"	22.4	274	10-150	
Surrogate: d3-N-MeFOSAA	122		"	44.8	273	25-150	
Surrogate: d5-N-EtFOSAA	152		"	44.8	340	25-150	
Surrogate: M2-6:2 FTS	343		"	42.6	804	25-200	
Surrogate: M2-8:2 FTS	167		"	43.0	388	25-200	
Surrogate: M9PFNA	26.9		"	11.2	240	25-150	
Surrogate: M2-4:2 FTS	307		"	42.1	730	25-150	
Surrogate: d-N-MeFOSA	41.0		"	22.4	183	25-150	
Surrogate: d-N-EtFOSA	35.0		"	22.4	156	25-150	
Surrogate: M3HFPO-DA	236		"	89.7	263	25-150	
Surrogate: d9-N-EtFOSE	289		"	224	129	25-150	
Surrogate: d7-N-MeFOSE	323		"	224	144	25-150	



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30938 - EPA 3550C

Blank (BG30938-BLK1)	Blank	Prepared: 07/18/2023 Analyzed: 07/20/2023									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0504		"	0.0664		75.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0410		"	0.0664		61.7	30-150				

LCS (BG30938-BS1)	LCS	Prepared: 07/18/2023 Analyzed: 07/20/2023									
4,4'-DDD	0.0251	0.00164	mg/kg wet	0.0332		75.6	40-140				
4,4'-DDE	0.0226	0.00164	"	0.0332		67.9	40-140				
4,4'-DDT	0.0206	0.00164	"	0.0332		62.1	40-140				
Aldrin	0.0222	0.00164	"	0.0332		66.9	40-140				
alpha-BHC	0.0233	0.00164	"	0.0332		70.2	40-140				
alpha-Chlordane	0.0230	0.00164	"	0.0332		69.1	40-140				
beta-BHC	0.0236	0.00164	"	0.0332		71.2	40-140				
delta-BHC	0.0216	0.00164	"	0.0332		65.0	40-140				
Dieldrin	0.0236	0.00164	"	0.0332		71.2	40-140				
Endosulfan I	0.0245	0.00164	"	0.0332		73.7	40-140				
Endosulfan II	0.0244	0.00164	"	0.0332		73.5	40-140				
Endosulfan sulfate	0.0238	0.00164	"	0.0332		71.5	40-140				
Endrin	0.0239	0.00164	"	0.0332		71.8	40-140				
Endrin aldehyde	0.0241	0.00164	"	0.0332		72.4	40-140				
Endrin ketone	0.0231	0.00164	"	0.0332		69.7	40-140				
gamma-BHC (Lindane)	0.0226	0.00164	"	0.0332		68.2	40-140				
gamma-Chlordane	0.0233	0.00164	"	0.0332		70.0	40-140				
Heptachlor	0.0221	0.00164	"	0.0332		66.4	40-140				
Heptachlor epoxide	0.0239	0.00164	"	0.0332		71.8	40-140				
Methoxychlor	0.0246	0.00164	"	0.0332		73.9	40-140				

Surrogate: Decachlorobiphenyl	0.0520		"	0.0664		78.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0426		"	0.0664		64.2	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30938 - EPA 3550C**

Matrix Spike (BG30938-MS1)	Matrix Spike	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared: 07/18/2023 Analyzed: 07/20/2023				
4,4'-DDD	0.0718	0.00300	mg/kg dry	0.0606	ND	119	30-150				
4,4'-DDE	0.0624	0.00300	"	0.0606	ND	103	30-150				
4,4'-DDT	0.0674	0.00300	"	0.0606	ND	111	30-150				
Aldrin	0.0689	0.00300	"	0.0606	ND	114	30-150				
alpha-BHC	0.0726	0.00300	"	0.0606	ND	120	30-150				
alpha-Chlordane	0.0663	0.00300	"	0.0606	ND	110	30-150				
beta-BHC	0.0707	0.00300	"	0.0606	ND	117	30-150				
delta-BHC	0.0672	0.00300	"	0.0606	ND	111	30-150				
Dieldrin	0.0696	0.00300	"	0.0606	ND	115	30-150				
Endosulfan I	0.0719	0.00300	"	0.0606	ND	119	30-150				
Endosulfan II	0.0709	0.00300	"	0.0606	ND	117	30-150				
Endosulfan sulfate	0.0679	0.00300	"	0.0606	ND	112	30-150				
Endrin	0.0711	0.00300	"	0.0606	ND	117	30-150				
Endrin aldehyde	0.0697	0.00300	"	0.0606	ND	115	30-150				
Endrin ketone	0.0729	0.00300	"	0.0606	ND	120	30-150				
gamma-BHC (Lindane)	0.0680	0.00300	"	0.0606	ND	112	30-150				
gamma-Chlordane	0.0659	0.00300	"	0.0606	ND	109	30-150				
Heptachlor	0.0667	0.00300	"	0.0606	ND	110	30-150				
Heptachlor epoxide	0.0735	0.00300	"	0.0606	ND	121	30-150				
Methoxychlor	0.0774	0.00300	"	0.0606	ND	128	30-150				
Surrogate: Decachlorobiphenyl	0.0969		"	0.121		80.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0971		"	0.121		80.2	30-150				

Matrix Spike Dup (BG30938-1)	Matrix Spike Dup	*Source sample: 23G0881-14 (RIB04_21-23)					Prepared: 07/18/2023 Analyzed: 07/20/2023				
4,4'-DDD	0.0690	0.00300	mg/kg dry	0.0606	ND	114	30-150	4.11	30		
4,4'-DDE	0.0609	0.00300	"	0.0606	ND	101	30-150	2.34	30		
4,4'-DDT	0.0588	0.00300	"	0.0606	ND	97.1	30-150	13.5	30		
Aldrin	0.0649	0.00300	"	0.0606	ND	107	30-150	5.96	30		
alpha-BHC	0.0656	0.00300	"	0.0606	ND	108	30-150	10.2	30		
alpha-Chlordane	0.0639	0.00300	"	0.0606	ND	106	30-150	3.74	30		
beta-BHC	0.0644	0.00300	"	0.0606	ND	106	30-150	9.38	30		
delta-BHC	0.0606	0.00300	"	0.0606	ND	100	30-150	10.2	30		
Dieldrin	0.0654	0.00300	"	0.0606	ND	108	30-150	6.27	30		
Endosulfan I	0.0691	0.00300	"	0.0606	ND	114	30-150	3.86	30		
Endosulfan II	0.0672	0.00300	"	0.0606	ND	111	30-150	5.31	30		
Endosulfan sulfate	0.0628	0.00300	"	0.0606	ND	104	30-150	7.84	30		
Endrin	0.0678	0.00300	"	0.0606	ND	112	30-150	4.69	30		
Endrin aldehyde	0.0657	0.00300	"	0.0606	ND	108	30-150	6.01	30		
Endrin ketone	0.0654	0.00300	"	0.0606	ND	108	30-150	10.8	30		
gamma-BHC (Lindane)	0.0629	0.00300	"	0.0606	ND	104	30-150	7.79	30		
gamma-Chlordane	0.0622	0.00300	"	0.0606	ND	103	30-150	5.76	30		
Heptachlor	0.0634	0.00300	"	0.0606	ND	105	30-150	5.10	30		
Heptachlor epoxide	0.0678	0.00300	"	0.0606	ND	112	30-150	8.13	30		
Methoxychlor	0.0681	0.00300	"	0.0606	ND	112	30-150	12.8	30		
Surrogate: Decachlorobiphenyl	0.0655		"	0.121		54.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0729		"	0.121		60.2	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30938 - EPA 3550C</b>											
<b>Blank (BG30938-BLK2)</b>		<b>Blank</b>							Prepared & Analyzed: 07/18/2023		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0462		"	0.0664		69.5	30-120				
Surrogate: Decachlorobiphenyl	0.0322		"	0.0664		48.5	30-120				
<b>LCS (BG30938-BS2)</b>		<b>LCS</b>							Prepared & Analyzed: 07/18/2023		
Aroclor 1016	0.248	0.0166	mg/kg wet	0.332		74.7	40-130				
Aroclor 1260	0.198	0.0166	"	0.332		59.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0535		"	0.0664		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0319		"	0.0664		48.0	30-120				
<b>Matrix Spike (BG30938-MS2)</b>		<b>Matrix Spike</b>					*Source sample: 23G0881-14 (RIB04_21-23)				
Prepared: 07/18/2023 Analyzed: 07/19/2023											
Aroclor 1016	0.563	0.0303	mg/kg dry	0.606	ND	93.1	40-140				
Aroclor 1260	0.512	0.0303	"	0.606	ND	84.6	40-140				
Surrogate: Tetrachloro-m-xylene	0.101		"	0.121		83.5	30-120				
Surrogate: Decachlorobiphenyl	0.0551		"	0.121		45.5	30-120				
<b>Matrix Spike Dup (BG30938-MS2)</b>		<b>Matrix Spike Dup</b>					*Source sample: 23G0881-14 (RIB04_21-23)				
Prepared: 07/18/2023 Analyzed: 07/19/2023											
Aroclor 1016	0.607	0.0303	mg/kg dry	0.606	ND	100	40-140		7.37	50	
Aroclor 1260	0.590	0.0303	"	0.606	ND	97.4	40-140		14.0	50	
Surrogate: Tetrachloro-m-xylene	0.111		"	0.121		92.0	30-120				
Surrogate: Decachlorobiphenyl	0.0708		"	0.121		58.5	30-120				



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30981 - EPA 3550C/8151A**

<b>Blank (BG30981-BLK1)</b>		<b>Blank</b>		Prepared: 07/18/2023 Analyzed: 07/19/2023							
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.288	"	0.417		69.0	21-150				

<b>LCS (BG30981-BS1)</b>		<b>LCS</b>		Prepared: 07/18/2023 Analyzed: 07/19/2023							
2,4,5-T	0.0758	0.0200	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0742	0.0200	"	0.133		55.6	10-120				
2,4-D	0.0825	0.0200	"	0.133		61.9	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.244	"	0.417		58.6	21-150				

<b>Matrix Spike (BG30981-MS1)</b>		<b>Matrix Spike</b>		<b>*Source sample: 23G0881-07 (RIB03_0-2)</b>		Prepared: 07/18/2023 Analyzed: 07/19/2023					
2,4,5-T	0.0519	0.0222	mg/kg dry	0.148	ND	35.0	10-120				
2,4,5-TP (Silvex)	0.0501	0.0222	"	0.148	ND	33.8	10-120				
2,4-D	0.0621	0.0222	"	0.148	ND	41.9	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.229	"	0.464		49.4	21-150				

<b>Matrix Spike Dup (BG30981-MS1)</b>		<b>Matrix Spike Dup</b>		<b>*Source sample: 23G0881-07 (RIB03_0-2)</b>		Prepared: 07/18/2023 Analyzed: 07/19/2023					
2,4,5-T	0.0328	0.0219	mg/kg dry	0.146	ND	22.5	10-120		45.0	35	Non-dir.
2,4,5-TP (Silvex)	0.0319	0.0219	"	0.146	ND	21.9	10-120		44.3	35	Non-dir.
2,4-D	0.0419	0.0219	"	0.146	ND	28.8	10-118		38.8	35	Non-dir.
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.136	"	0.456		29.8	21-150				

**Batch BG31020 - EPA 3550C/8151A**

<b>Blank (BG31020-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 07/19/2023							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.365	"	0.415		87.8	21-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31020 - EPA 3550C/8151A</b>											
<b>LCS (BG31020-BS1)</b>	<b>LCS</b>						Prepared & Analyzed: 07/19/2023				
2,4,5-T	0.0905	0.0199	mg/kg wet	0.133		68.1	10-120				
2,4,5-TP (Silvex)	0.0897	0.0199	"	0.133		67.5	10-120				
2,4-D	0.0980	0.0199	"	0.133		73.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.448		"	0.415		108	21-150				
<b>Matrix Spike (BG31020-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0881-14 (RIB04_21-23)						Prepared & Analyzed: 07/19/2023			
2,4,5-T	0.0787	0.0363	mg/kg dry	0.242	ND	32.5	10-120				
2,4,5-TP (Silvex)	0.0833	0.0363	"	0.242	ND	34.4	10-120				
2,4-D	0.123	0.0363	"	0.242	ND	50.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.415		"	0.757		54.8	21-150				
<b>Matrix Spike Dup (BG31020-1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0881-14 (RIB04_21-23)						Prepared & Analyzed: 07/19/2023			
2,4,5-T	0.0407	0.0362	mg/kg dry	0.241	ND	16.9	10-120		63.6	35	Non-dir.
2,4,5-TP (Silvex)	0.0468	0.0362	"	0.241	ND	19.4	10-120		56.1	35	Non-dir.
2,4-D	0.0513	0.0362	"	0.241	ND	21.2	10-118		82.0	35	Non-dir.
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.256		"	0.754		34.0	21-150				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31324 - EPA 3050B**

<b>Blank (BG31324-BLK1)</b>	<b>Blank</b>	Prepared: 07/24/2023 Analyzed: 07/26/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

<b>Duplicate (BG31324-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0881-14 (RIB04_21-23) Prepared: 07/24/2023 Analyzed: 07/26/2023									
Aluminum	16300	7.69	mg/kg dry		9750				50.2	35	Non-dir.
Antimony	9.62	3.85	"		ND					35	
Arsenic	20.5	2.31	"		8.32			84.6	35	Non-dir.	
Barium	75.5	3.84	"		52.7			35.7	35	Non-dir.	
Beryllium	0.352	0.078	"		0.095			115	35	Non-dir.	
Cadmium	ND	0.462	"		ND					35	
Calcium	3990	7.70	"		4610			14.5	35		
Chromium	30.1	0.770	"		19.6			42.1	35	Non-dir.	
Cobalt	6.82	0.615	"		2.38			96.5	35	Non-dir.	
Copper	23.9	3.08	"		11.5			69.9	35	Non-dir.	
Iron	30500	38.5	"		6120			133	35	Non-dir.	
Lead	142	0.770	"		86.3			49.1	35	Non-dir.	
Magnesium	6120	7.70	"		2360			88.7	35	Non-dir.	
Manganese	407	0.770	"		111			114	35	Non-dir.	
Nickel	32.9	1.53	"		14.5			77.4	35	Non-dir.	
Potassium	3610	7.70	"		2270			45.5	35	Non-dir.	
Selenium	ND	3.85	"		ND					35	
Silver	ND	0.776	"		ND					35	
Sodium	1940	77.0	"		2100			7.61	35		
Thallium	20.7	3.85	"		4.56			128	35	Non-dir.	
Vanadium	36.9	1.53	"		28.0			27.4	35		
Zinc	96.4	3.83	"		34.0			95.8	35	Non-dir.	



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

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

**Batch BG31324 - EPA 3050B**

Matrix Spike (BG31324-MS1)	Matrix Spike	*Source sample: 23G0881-14 (RIB04_21-23)						Prepared: 07/24/2023 Analyzed: 07/26/2023			
Aluminum	19600	7.69	mg/kg dry	308	9750	NR	75-125	High Bias			
Antimony	15.7	3.85	"	38.5	ND	40.9	75-125	Low Bias			
Arsenic	291	2.31	"	308	8.32	91.9	75-125				
Barium	352	3.84	"	308	52.7	97.4	75-125				
Beryllium	7.54	0.078	"	7.69	0.095	96.8	75-125				
Cadmium	6.19	0.462	"	7.69	ND	80.4	75-125				
Calcium	3170	7.70	"	154	4610	NR	75-125	Low Bias			
Chromium	59.6	0.770	"	30.8	19.6	130	75-125	High Bias			
Cobalt	78.6	0.615	"	76.9	2.38	99.0	75-125				
Copper	51.4	3.08	"	38.5	11.5	104	75-125				
Iron	28100	38.5	"	154	6120	NR	75-125	High Bias			
Lead	128	0.770	"	76.9	86.3	54.7	75-125	Low Bias			
Magnesium	7420	7.70	"	154	2360	NR	75-125	High Bias			
Manganese	372	0.770	"	76.9	111	339	75-125	High Bias			
Nickel	98.4	1.53	"	76.9	14.5	109	75-125				
Potassium	4370	7.70	"	154	2270	NR	75-125	High Bias			
Selenium	165	3.85	"	308	ND	53.5	75-125	Low Bias			
Silver	ND	0.776	"	7.69	ND		75-125	Low Bias			
Sodium	2390	77.0	"	154	2100	187	75-125	High Bias			
Thallium	288	3.85	"	308	4.56	92.2	75-125				
Vanadium	110	1.53	"	76.9	28.0	107	75-125				
Zinc	145	3.83	"	76.9	34.0	145	75-125	High Bias			

Post Spike (BG31324-PS1)	Post Spike	*Source sample: 23G0881-14 (RIB04_21-23)						Prepared: 07/24/2023 Analyzed: 07/26/2023			
Aluminum	65.8		ug/mL	2.00	63.3	123	75-125				
Antimony	0.232		"	0.250	0.010	88.7	75-125				
Arsenic	1.89		"	2.00	0.054	92.0	75-125				
Barium	2.28		"	2.00	0.342	97.1	75-125				
Beryllium	0.046		"	0.0500	0.0006	91.5	75-125				
Cadmium	0.045		"	0.0500	-0.0009	90.1	75-125				
Calcium	31.1		"	1.00	30.0	116	75-125				
Chromium	0.316		"	0.200	0.127	94.1	75-125				
Cobalt	0.485		"	0.500	0.015	93.9	75-125				
Copper	0.332		"	0.250	0.075	103	75-125				
Iron	40.7		"	1.00	39.8	94.9	75-125				
Lead	1.02		"	0.500	0.560	91.6	75-125				
Magnesium	16.3		"	1.00	15.3	97.5	75-125				
Manganese	1.21		"	0.500	0.722	96.6	75-125				
Nickel	0.572		"	0.500	0.094	95.6	75-125				
Potassium	15.9		"	1.00	14.8	110	75-125				
Selenium	1.42		"	2.00	-0.057	70.8	75-125	Low Bias			
Silver	0.029		"	0.0500	-0.021	57.3	75-125	Low Bias			
Sodium	14.6		"	1.00	13.6	102	75-125				
Thallium	1.86		"	2.00	0.030	91.4	75-125				
Vanadium	0.654		"	0.500	0.182	94.4	75-125				
Zinc	0.693		"	0.500	0.221	94.4	75-125				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			
<b>Batch BG31324 - EPA 3050B</b>													
<b>Reference (BG31324-SRM1)</b>	<b>Reference</b>												
													Prepared: 07/24/2023 Analyzed: 07/26/2023
Aluminum	7930	4.17	mg/kg wet	8040		98.7		49.9-150.5					
Antimony	55.1	2.08	"	129		42.7		18-250.4					
Arsenic	177	1.25	"	183		96.7		69.9-130.1					
Barium	293	2.08	"	297		98.6		75.1-125.3					
Beryllium	74.2	0.042	"	78.8		94.2		75-124.9					
Cadmium	212	0.250	"	221		96.1		75.1-124.9					
Calcium	4510	4.17	"	4710		95.7		72.4-127.4					
Chromium	190	0.417	"	200		95.1		70-130					
Cobalt	93.6	0.333	"	97.4		96.0		74.9-125.3					
Copper	138	1.67	"	136		101		75-125					
Iron	12400	20.8	"	14000		88.7		34.9-165.7					
Lead	239	0.417	"	257		93.1		73.9-126.1					
Magnesium	2130	4.17	"	2290		92.8		62-138.4					
Manganese	358	0.417	"	381		94.0		75.9-124.1					
Nickel	181	0.830	"	169		107		69.8-129.6					
Potassium	1860	4.17	"	2030		91.7		59.1-140.9					
Selenium	138	2.08	"	217		63.4		69.1-131.3	Low Bias				
Silver	52.4	0.420	"	67.8		77.4		70.6-129.2					
Sodium	402	41.7	"	427		94.1		58.3-141.9					
Thallium	81.8	2.08	"	80.5		102		65.1-135.4					
Vanadium	190	0.830	"	205		92.7		74.6-125.4					
Zinc	208	2.08	"	224		93.0		70.1-130.4					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31282 - EPA 7473 soil</b>											
<b>Blank (BG31282-BLK1)</b>	Blank								Prepared: 07/24/2023 Analyzed: 07/25/2023		
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BG31282-DUP1)</b>	Duplicate								Prepared: 07/24/2023 Analyzed: 07/25/2023		
Mercury	ND	0.0357	mg/kg dry		ND					35	
<b>Matrix Spike (BG31282-MS1)</b>	Matrix Spike								Prepared: 07/24/2023 Analyzed: 07/25/2023		
Mercury	0.509		mg/kg	0.500	0.0227	97.3	75-125				
<b>Reference (BG31282-SRM1)</b>	Reference								Prepared: 07/24/2023 Analyzed: 07/25/2023		
Mercury	31.732		mg/kg	27.2		117	59.9-140.1				
<b>Batch BG31284 - EPA 7473 soil</b>											
<b>Blank (BG31284-BLK1)</b>	Blank								Prepared & Analyzed: 07/24/2023		
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BG31284-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/24/2023		
Mercury	0.376	0.0554	mg/kg dry		0.483				24.9	35	
<b>Matrix Spike (BG31284-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/24/2023		
Mercury	0.709		mg/kg	0.500	0.261	89.6	75-125				
<b>Reference (BG31284-SRM1)</b>	Reference								Prepared & Analyzed: 07/24/2023		
Mercury	28.652		mg/kg	27.2		105	59.9-140.1				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31137 - Analysis Preparation Soil</b>												
<b>Blank (BG31137-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/20/2023			
Cyanide, total	ND	0.500	mg/kg wet									
<b>Duplicate (BG31137-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/20/2023		
Cyanide, total	ND	0.923	mg/kg dry		ND					15		
<b>Matrix Spike (BG31137-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/20/2023		
Cyanide, total	16.3	0.923	mg/kg dry	18.5	ND	88.5	79.6-107					
<b>Matrix Spike Dup (BG31137-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/20/2023		
Cyanide, total	16.6	0.923	mg/kg dry	18.5	ND	90.0	79.6-107		1.68	200		
<b>Reference (BG31137-SRM1)</b>	<b>Reference</b>								Prepared & Analyzed: 07/20/2023			
Cyanide, total	147		ug/mL	131		112	44.4-156.5					
<b>Batch BG31228 - EPA SW846-3060</b>												
<b>Blank (BG31228-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/21/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
<b>Duplicate (BG31228-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/21/2023		
Chromium, Hexavalent	ND	0.923	mg/kg dry		ND					35		
<b>Matrix Spike (BG31228-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/21/2023		
Chromium, Hexavalent	ND	0.923	mg/kg dry	36.9	ND		75-125	Low Bias				
<b>Matrix Spike Dup (BG31228-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0881-14 (RIB04_21-23)								Prepared & Analyzed: 07/21/2023		
Chromium, Hexavalent	ND	0.923	mg/kg dry	36.9	ND		75-125	Low Bias		200		



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31228 - EPA SW846-3060</b>											
<b>Reference (BG31228-SRM1)</b>	Reference								Prepared & Analyzed: 07/21/2023		
Chromium, Hexavalent	195		mg/L	227		85.9	42.3-157.7				
<b>Batch BG31293 - EPA SW846-3060</b>											
<b>Blank (BG31293-BLK1)</b>	Blank								Prepared & Analyzed: 07/24/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Duplicate (BG31293-DUP1)</b>	Duplicate		*Source sample: 23G0920-12 (Duplicate)						Prepared & Analyzed: 07/24/2023		
Chromium, Hexavalent	ND	0.524	mg/kg dry		ND						35
<b>Matrix Spike (BG31293-MS1)</b>	Matrix Spike		*Source sample: 23G0920-12 (Matrix Spike)						Prepared & Analyzed: 07/24/2023		
Chromium, Hexavalent	18.9	0.524	mg/kg dry	21.0	ND	90.2	75-125				
<b>Matrix Spike Dup (BG31293-MS1)</b>	Matrix Spike Dup		*Source sample: 23G0920-12 (Matrix Spike Dup)						Prepared & Analyzed: 07/24/2023		
Chromium, Hexavalent	18.1	0.524	mg/kg dry	21.0	ND	86.2	75-125		4.54		200
<b>Reference (BG31293-SRM1)</b>	Reference								Prepared & Analyzed: 07/24/2023		
Chromium, Hexavalent	208		mg/L	227		91.7	42.3-157.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31000 - % Solids Prep**

<b>Duplicate (BG31000-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G0881-14 (RIB04_21-23)</b>					<b>Prepared &amp; Analyzed: 07/18/2023</b>					
% Solids	54.2	0.100	%		54.1				0.0795	20		



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G0881-01	RIB01_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0881-02	RIB01_11.5-13.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23G0881-03	RIB01_25.7-27.5	40mL Vial with Stir Bar-Cool 4° C
23G0881-04	RIB11_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0881-05	RIB11_5-7	40mL Vial with Stir Bar-Cool 4° C
23G0881-06	RIB11_20-22	40mL Vial with Stir Bar-Cool 4° C
23G0881-07	RIB03_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0881-08	RIB03_10.5-12.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23G0881-09	RIB03_15-17	40mL Vial with Stir Bar-Cool 4° C
23G0881-10	RIBDUP01_071723	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23G0881-12	RIB04_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0881-13	RIB04_5-6	40mL Vial with Stir Bar-Cool 4° C
23G0881-14	RIB04_21-23	40mL Vial with Stir Bar-Cool 4° C
23G0881-15	RIB05_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0881-16	RIB05_10-12	40mL Vial with Stir Bar-Cool 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Cr6-I	Due to severe matrix interference from color in the aqueous sample the hexavalent chromium could not be determined using this method.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

### Definitions and Other Explanations

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



**High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

**Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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**Corrective Action:** Trip blank sample RITB02\_071723 was not received by the lab and has been cancelled. Client was notified on 7/18/2023.



# YORK ANALYTICAL LABORATORIES INC

# Field Chain-of-Custody Record

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

**YOUR Information**  
 Company: LANGRAN  
 Address: 300 W 31st Street NYC, NY, 10001  
 Phone: 212-479-5400  
 Contact: Albert Tashji  
 E-mail: ATashji@langan.com

**Report To:**  
 Company:   
 Address:   
 Phone:   
 Contact:   
 E-mail:   
 Invoice To:

**YOUR Project Number**  
170758101

**YOUR Project Name**  
224 3rd Avenue

**YOUR PO#:**

**Report / EDD Type (circle selections)**  
 Summary Report  CT RCP  EQUIS (Standard)  
 QA Report  CT RCP DQ/DUE NYSDEC EQUIS  
 CMDP  NJDEP Reduced NJDKQP  
 Standard Excel EDD Deliverables NJDEP SRP HazSite  
 NY ASP B Packages Other:

Matrix Codes: S - soil / solid, GW - groundwater, DW - drinking water, WW - wastewater, O - Oil, Other:

Sample Matrix

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
RI801 - 0-2	S	7/17/23 0900	TCL Part 375 - 1st		
RI801 - 11.5 - 13.5	S	0915	of VOCs & SVOCs, Part 375		
RI801 - 25.0 - 27.5	S	0920	PCBs & Pesticides, TAL		
RI801 - 0-2	S	1010	Part 375 Metals including		
RI804 - 5-7	S	1015	Cyanide and hexavalent		
RI804 - 20-22	S	1020	and trivalent Chromium		
RI809 - 0-2	S	1200	PFA's, and 1-4-dioxan		
RI809 - 10.5 - 12.5	S	1205	and herbicides		
RI809 - 15 - 17	S	1210			
RI801 - 071723	S				

**Comments:** Please cc: LMcConnell@langan.com and Data management@langan.com

**Preservation:** (check all that apply)  
 HCl \_\_\_ MeOH \_\_\_ HNO3 \_\_\_ H2SO4 \_\_\_ NaOH \_\_\_  
 ZrAc \_\_\_ Ascorbic Acid \_\_\_ Other:   
 Date/Time: 7/17/23 1525  
 Date/Time: 7/17/23 5:32pm

**Special Instruction:**  
 Field Filtered  
 Lab to Filter

**Turn-Around Time:**  
 RUSH - Next Day  
 RUSH - Two Day  
 RUSH - Three Day  
 RUSH - Four Day  
 RUSH - Five Day  
 Standard (6-9 Day)  
 PFAS Standard is 7-10 Days

**YORK Reg. Comp.**  
 Compared to the following Regulation(s): (please fill in)



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. **236088**

Page **2** of **2**

<b>YOUR INFORMATION</b>		<b>Report To:</b>		<b>Invoice To:</b>	
Company: <b>LANGAN</b>	Company:	Company:	Company:	Company:	Company:
Address: <b>300 W 31st Street</b>	Address:	Address:	Address:	Address:	Address:
<b>NYC, NY 10001</b>	Phone:	Phone:	Phone:	Phone:	Phone:
<b>212-479-5400</b>	Contact:	Contact:	Contact:	Contact:	Contact:
<b>Albert Tashji</b>	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:
<b>ATashji@langan.com</b>					

**YOUR PROJECT NUMBER**  
170758101

**YOUR PROJECT NAME**  
224 3rd Avenue

**YOUR PO#:**

**Turn-Around Time**  
RUSH - Next Day  
RUSH - Two Day  
RUSH - Three Day  
RUSH - Four Day  
RUSH - Five Day  
**Standard (6-9 Day)**  
PFAS Standard is 7-10 Days

**YORK Reg. Comp.**  
Compared to the following Regulation(s): (please fill in)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	CT RCP		
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	CT RCP DQA/DUE		
DW - drinking water	Connecticut	<input type="checkbox"/> CMDP	NJDEP Reduced		
WW - wastewater	Pennsylvania	<input type="checkbox"/> Standard Excel EDD	Deliverables		
O - Oil	Other:	<input type="checkbox"/> NY ASP B Package	Other:		
<b>S</b>	<b>7/17/23</b>	<b>1215</b>	<b>TCL/Part 370 - list 2 of</b>	<b>HOLD</b>	
		<b>1330</b>	<b>VOCS &amp; SVOCs, Part 375</b>		
		<b>1335</b>	<b>PCBs &amp; Pesticides, TAL /</b>		
		<b>1340</b>	<b>Part 375 Metals including</b>		
		<b>1430</b>	<b>Cyanide and hexavalent and</b>		
		<b>1435</b>	<b>trivalent chromium, PFAS,</b>		
		<b>1445</b>	<b>PFAS</b>		
		<b>1450</b>	<b>Part 375 VMS</b>		
			<b>(and 1,4-dioxane and herbicides)</b>		

**Comments:** Please cc: LMcconnell@langan.com and Steve for EDD 21-23 Data management@langan.com for MS/MSD

**Preservation:** (check all that apply)

HCl  MeOH  HNO3  H2SO4  NaOH

ZnAc  Ascorbic Acid  Other:

**Special Instruction**  
Field Filtered  
Lab to Filter

**Samples Collected by:** (print AND sign your name)  
Ali Zeach *Ali Zeach*

**Samples Relinquished by / Company**  
Mileach/Langan 07/17/23 15:25  
Kamon York 7/17/23 5:32 PM

**Samples Received by / Company**  
Sikhal 7/17/23 19:25  
RAMON YORK 7/17/23 5:32 PM

**Samples Relinquished by / Company**  
7/17/23 20:10

**Samples Received in LAB by** 7/17/23 20:10

**Temperature** 5:32 PM



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 07/28/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G0971

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/28/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G0971

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 18, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G0971-01	RIFB02_071823	Water	07/18/2023	07/18/2023
23G0971-03	RIB06_0-2	Soil	07/18/2023	07/18/2023
23G0971-04	RIB06_10-12	Soil	07/18/2023	07/18/2023
23G0971-05	RIB06_15-16	Soil	07/18/2023	07/18/2023
23G0971-07	RIB05_15-16	Soil	07/18/2023	07/18/2023
23G0971-08	RIB02_0-2	Soil	07/18/2023	07/18/2023
23G0971-09	RIB02_15.5-17.5	Soil	07/18/2023	07/18/2023
23G0971-10	RIB02_20-21	Soil	07/18/2023	07/18/2023
23G0971-11	RIB12_18-20	Soil	07/18/2023	07/18/2023
23G0971-12	RIB10_0-2	Soil	07/18/2023	07/18/2023
23G0971-13	RIB10_10-12	Soil	07/18/2023	07/18/2023
23G0971-14	RIB10_18-20	Soil	07/18/2023	07/18/2023
23G0971-15	RIDUP02_071823	Soil	07/18/2023	07/18/2023
23G0971-16	ECFB03_071823	Water	07/18/2023	07/18/2023
23G0971-17	RITB02_071823	Water	07/18/2023	07/18/2023

## **General Notes for York Project (SDG) No.: 23G0971**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 07/28/2023





### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 18, 2023 2:00 pm	<u>Date Received</u> 07/18/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
67-66-3	<b>Chloroform</b>	<b>0.350</b>		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 17:28	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 17:28	JTG



Sample Information

Client Sample ID: RIFB02\_071823

York Sample ID: 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various chlorophenols and biphenyls.



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
100-01-6	4-Nitroaniline	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
105-60-2	Caprolactam	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
122-39-4	Diphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 15:36	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	30.1 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	14.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.6 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.0 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.6 %			30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 18, 2023 2:00 pm	<u>Date Received</u> 07/18/2023
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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
120-12-7	Anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
50-32-8	Benzo(a)pyrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
205-99-2	Benzo(b)fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.11</b>		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
218-01-9	Chrysene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
206-44-0	Fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
86-73-7	Fluorene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
118-74-1	Hexachlorobenzene	ND	CCVE	ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
91-20-3	Naphthalene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:27	KH
85-01-8	Phenanthrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:27	KH



Sample Information

Client Sample ID: RIFB02\_071823

York Sample ID: 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 129-00-0 Pyrene ND CAL-E ug/L 0.0541 1 EPA 8270D SIM 07/19/2023 12:08 07/21/2023 11:27 KH

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 123-91-1 1,4-Dioxane ND ug/L 0.300 1 EPA 8270D SIM 07/19/2023 08:30 07/19/2023 23:29 KH. Row 2: Surrogate Recoveries Result Acceptance Range 17647-74-4 Surrogate: 1,4-Dioxane-d8 86.6% 36.6-118

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, and Endrin.



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:59	SCB
57-74-9	* Chlordane, total	ND		ug/L	0.216	1	EPA 8081B Certifications:	07/19/2023 08:36	07/20/2023 13:59	SCB
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.7 %		30-150						

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 05:09	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	07/19/2023 08:36	07/20/2023 05:09	BCJ



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 18, 2023 2:00 pm	<u>Date Received</u> 07/18/2023
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**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %								

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:44	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:44	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:44	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	48.8 %								

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-70-2	<b>Calcium</b>	<b>0.422</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-50-8	Copper	ND	M-CCV 1	mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7439-95-4	<b>Magnesium</b>	<b>0.0601</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG



### Sample Information

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:00 pm

07/18/2023

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	0.0149		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-23-5	Sodium	0.559	M-CCV	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-62-2	Vanadium	ND	M-CCV	mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:27	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw
7440-43-9	Cadmium	ND	M-CCV	ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw
7782-49-2	Selenium	1.64		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:21	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:10	07/25/2023 08:10	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIFB02\_071823

**York Sample ID:** 23G0971-01

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 18, 2023 2:00 pm	<u>Date Received</u> 07/18/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/18/2023 19:55	07/18/2023 21:17	SMK
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	07/26/2023 08:32	07/27/2023 16:00	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	07/19/2023 14:44	07/19/2023 21:21	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:00 am	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:00	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:00	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

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170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:00	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:00	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:00	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	<b>1,1-Biphenyl</b>	<b>0.0956</b>	J	mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.377</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

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Soil

July 18, 2023 9:00 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
83-32-9	<b>Acenaphthene</b>	<b>1.12</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.183</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
62-53-3	Aniline	ND		mg/kg dry	0.208	0.416	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
120-12-7	<b>Anthracene</b>	<b>2.54</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
92-87-5	Benzidine	ND		mg/kg dry	0.208	0.416	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>6.02</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

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Soil

July 18, 2023 9:00 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>4.75</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>4.18</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>3.05</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>2.06</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
86-74-8	<b>Carbazole</b>	<b>0.979</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
218-01-9	<b>Chrysene</b>	<b>5.51</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.953</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.706</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.104	0.208	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
206-44-0	<b>Fluoranthene</b>	<b>13.8</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>1.09</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>3.58</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
91-20-3	<b>Naphthalene</b>	<b>0.583</b>		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
85-01-8	<b>Phenanthrene</b>	<b>13.7</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0521	0.104	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH
129-00-0	<b>Pyrene</b>	<b>13.5</b>		mg/kg dry	0.261	0.520	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.208	0.416	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 14:58	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	66.7 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	62.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.8 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.4 %	24-116



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

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23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 01:35	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.2 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.138	0.221	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.935</b>		ug/kg dry	0.0661	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.131	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.223	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.215	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.208	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.236	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.238	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.247	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.203	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.156	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.128	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.185	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.242	0.250	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.858</b>		ug/kg dry	0.136	0.499	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.182	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ





### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.193	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.238	0.241	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.742	0.948	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.942	0.958	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.136	0.998	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:29	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.173	0.444	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.241	0.499	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0773	0.499	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.120	0.499	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.196	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.742	0.936	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.758	0.998	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.388	0.943	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.307	0.933	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.217	0.943	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.211	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.240	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.791	1.25	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.62	6.24	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.87	6.24	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.762	2.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ



**Sample Information**

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.225	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.870	2.50	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.247	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:29	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	122 %	25-150
Surrogate: M5PFHxA	164 %	25-150
Surrogate: M4PFHpA	96.1 %	25-150
Surrogate: M3PFHxS	93.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	136 %	25-150
Surrogate: M6PFDA	114 %	25-150
Surrogate: M7PFUdA	108 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	118 %	25-150
Surrogate: M2PFTeDA	91.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	31.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	123 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	137 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	126 %	10-150
Surrogate: d3-N-MeFOSAA	253 %	25-150
Surrogate: d5-N-EtFOSAA	256 %	25-150
Surrogate: M2-6:2 FTS	830 %	25-200
Surrogate: M2-8:2 FTS	569 %	25-200
Surrogate: M9PFNA	106 %	25-150
Surrogate: M2-4:2 FTS	583 %	25-150
Surrogate: d-N-MeFOSA	67.6 %	25-150
Surrogate: d-N-EtFOSA	68.8 %	25-150
Surrogate: M3HFPO-DA	93.0 %	25-150
Surrogate: d9-N-EtFOSE	74.5 %	25-150
Surrogate: d7-N-MeFOSE	66.7 %	25-150



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:00 am	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 04:28	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:28	BCJ



Sample Information

Client Sample ID: RIB06\_0-2

York Sample ID: 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and surrogate recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, and Total PCBs, plus surrogate recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, plus surrogate recoveries.



### Sample Information

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	76.4 %			21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9860		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-36-0	Antimony	6.71	M-CCV 1	mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-38-2	Arsenic	15.2		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-39-3	Barium	51.9		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-41-7	Beryllium	0.322		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.314	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-70-2	Calcium	5040		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-47-3	Chromium	14.6		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-48-4	Cobalt	2.09		mg/kg dry	0.418	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-50-8	Copper	19.2		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7439-89-6	Iron	18900		mg/kg dry	26.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7439-92-1	Lead	95.2		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7439-95-4	Magnesium	2160		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7439-96-5	Manganese	185		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-02-0	Nickel	18.0		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-09-7	Potassium	1210	B	mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-22-4	Silver	ND		mg/kg dry	0.527	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG





**Sample Information**

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:00 am

07/18/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	422		mg/kg dry	52.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-28-0	Thallium	13.8		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-62-2	Vanadium	21.9		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG
7440-66-6	Zinc	83.8		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:48	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	7.33		mg/kg dry	0.0377	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.628	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.6		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.628	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 09:24	07/21/2023 16:24	JAMT

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB06\_0-2

**York Sample ID:** 23G0971-03

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/21/2023 12:39	07/21/2023 16:08	PMB



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:31	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:31	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
67-64-1	<b>Acetone</b>	<b>0.0066</b>	J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

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23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 16:31	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 16:31	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 16:31	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.0 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0561</b>	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

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Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0584	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
205-99-2	Benzo(b)fluoranthene	0.0686	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
206-44-0	Fluoranthene	0.0834	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

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170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
129-00-0	<b>Pyrene</b>	<b>0.0678</b>	<b>J</b>	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 17:37	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	55.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	49.2 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.1 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	70.9 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.8 %	24-116





### Sample Information

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Soil

July 18, 2023 9:05 am

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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 01:52	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.9 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.132	0.210	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0628	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.124	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.212	0.217	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.212</b>	J	ug/kg dry	0.204	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.198	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>0.290</b>		ug/kg dry	0.224	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.226	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.235	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.193	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.148	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.122	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.175	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.230	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.129	0.474	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.173	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ





### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

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170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.184	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.226	0.229	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.705	0.901	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.895	0.910	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.129	0.948	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:41	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.165	0.422	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.229	0.474	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0735	0.474	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.114	0.474	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.186	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.705	0.889	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.720	0.948	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.369	0.896	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.292	0.886	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.206	0.896	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.200	0.230	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.147	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.751	1.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.49	5.92	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.78	5.92	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.724	2.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ



**Sample Information**

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:05 am	<u>Date Received</u> 07/18/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.213	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.826	2.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.235	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:41	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	167 %	25-150
Surrogate: M5PFHxA	138 %	25-150
Surrogate: M4PFHpA	122 %	25-150
Surrogate: M3PFHxS	173 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	117 %	25-150
Surrogate: M6PFDA	95.9 %	25-150
Surrogate: M7PFUdA	128 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	129 %	25-150
Surrogate: M2PFTeDA	104 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	30.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	112 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	128 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	125 %	10-150
Surrogate: d3-N-MeFOSAA	198 %	25-150
Surrogate: d5-N-EtFOSAA	196 %	25-150
Surrogate: M2-6:2 FTS	281 %	25-200
Surrogate: M2-8:2 FTS	258 %	25-200
Surrogate: M9PFNA	131 %	25-150
Surrogate: M2-4:2 FTS	276 %	25-150
Surrogate: d-N-MeFOSA	58.1 %	25-150
Surrogate: d-N-EtFOSA	64.3 %	25-150
Surrogate: M3HFPO-DA	119 %	25-150
Surrogate: d9-N-EtFOSE	73.9 %	25-150
Surrogate: d7-N-MeFOSE	77.7 %	25-150



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:05 am	<u>Date Received</u> 07/18/2023
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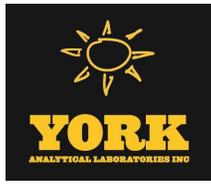
**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 04:44	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.196	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 04:44	BCJ



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0392	5	EPA 8081B	07/24/2023 08:43	07/25/2023 04:44	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	115 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.8 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:12	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	99.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0231	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:39	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:39	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:39	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 60.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9880		mg/kg dry	4.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-36-0	Antimony	5.47	M-CCV 1	mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-38-2	Arsenic	11.5		mg/kg dry	1.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-39-3	Barium	89.0		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.298	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-70-2	Calcium	2930		mg/kg dry	4.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-47-3	Chromium	20.7		mg/kg dry	0.497	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-48-4	Cobalt	6.99		mg/kg dry	0.397	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-50-8	Copper	42.5		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7439-89-6	Iron	16400		mg/kg dry	24.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7439-92-1	Lead	304		mg/kg dry	0.497	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7439-95-4	Magnesium	4430		mg/kg dry	4.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7439-96-5	Manganese	376		mg/kg dry	0.497	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-02-0	Nickel	45.8		mg/kg dry	0.989	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-09-7	Potassium	2170	B	mg/kg dry	4.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-22-4	Silver	ND		mg/kg dry	0.501	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG





**Sample Information**

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:05 am

07/18/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	316		mg/kg dry	49.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-28-0	Thallium	9.00		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-62-2	Vanadium	23.3		mg/kg dry	0.989	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG
7440-66-6	Zinc	157		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:51	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	8.70		mg/kg dry	0.0358	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.596	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.7		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	2.98		mg/kg dry	0.596	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 09:24	07/21/2023 16:24	JAMT

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB06\_10-12

**York Sample ID:** 23G0971-04

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 9:05 am

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	1	SM 2540G	07/21/2023 12:39	07/21/2023 16:08	PMB
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:10 am	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 17:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 17:01	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

Client Project ID

Matrix

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23G0971

170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
67-64-1	<b>Acetone</b>	<b>0.014</b>		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 17:01	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

Client Project ID

Matrix

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170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 17:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 17:01	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

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23G0971

170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
83-32-9	<b>Acenaphthene</b>	<b>0.123</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
62-53-3	Aniline	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
120-12-7	<b>Anthracene</b>	<b>1.02</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
92-87-5	Benzidine	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.437</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH



### Sample Information

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July 18, 2023 9:10 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.435</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.475</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.226</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.160</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
86-74-8	<b>Carbazole</b>	<b>0.111</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
218-01-9	<b>Chrysene</b>	<b>0.405</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.0786</b>	J	mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.0721</b>	J	mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
206-44-0	<b>Fluoranthene</b>	<b>1.02</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH



### Sample Information

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Soil

July 18, 2023 9:10 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.122</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.275</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
85-01-8	<b>Phenanthrene</b>	<b>1.03</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
108-95-2	Phenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
129-00-0	<b>Pyrene</b>	<b>0.788</b>		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
110-86-1	Pyridine	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:06	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	Surrogate: SURR: 2-Fluorophenol	79.5 %						20-108			
13127-88-3	Surrogate: SURR: Phenol-d6	72.3 %						23-114			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.9 %						22-108			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.7 %						21-113			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.1 %						19-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.6 %						24-116			



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Soil

July 18, 2023 9:10 am

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 11:56	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	79.4 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.135	0.215	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0644	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.128	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.218	0.222	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.209	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.203	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.230	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.232	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.241	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.198	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.152	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.125	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.180	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.236	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.132	0.486	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.177	0.243	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ





### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.188	0.243	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.232	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.723	0.924	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.918	0.934	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.132	0.972	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 01:53	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.169	0.433	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.235	0.486	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0754	0.486	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.117	0.486	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.191	0.229	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.723	0.912	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.739	0.972	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.378	0.919	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.299	0.909	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.212	0.919	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.205	0.236	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.151	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.771	1.22	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.55	6.08	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.82	6.08	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.743	2.43	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ



**Sample Information**

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

Client Project ID

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23G0971

170758101

Soil

July 18, 2023 9:10 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.219	0.243	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.847	2.43	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.241	0.243	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 01:53	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	125 %	25-150
Surrogate: M5PFHxA	160 %	25-150
Surrogate: M4PFHpA	132 %	25-150
Surrogate: M3PFHxS	133 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	119 %	25-150
Surrogate: M6PFDA	84.1 %	25-150
Surrogate: M7PFUdA	100 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	109 %	25-150
Surrogate: M2PFTeDA	85.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	46.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	125 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	138 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	135 %	10-150
Surrogate: d3-N-MeFOSAA	154 %	25-150
Surrogate: d5-N-EtFOSAA	197 %	25-150
Surrogate: M2-6:2 FTS	275 %	25-200
Surrogate: M2-8:2 FTS	189 %	25-200
Surrogate: M9PFNA	110 %	25-150
Surrogate: M2-4:2 FTS	202 %	25-150
Surrogate: d-N-MeFOSA	87.1 %	25-150
Surrogate: d-N-EtFOSA	72.2 %	25-150
Surrogate: M3HFPO-DA	125 %	25-150
Surrogate: d9-N-EtFOSE	68.9 %	25-150
Surrogate: d7-N-MeFOSE	78.9 %	25-150



### Sample Information

**Client Sample ID:** RIB06\_15-16

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<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:10 am	<u>Date Received</u> 07/18/2023
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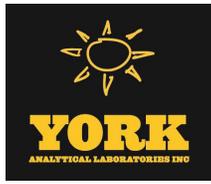
**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 05:01	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:01	BCJ



### Sample Information

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0400	5	EPA 8081B	07/24/2023 08:43	07/25/2023 05:01	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	120 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.9 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A	07/24/2023 08:43	07/25/2023 19:53	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	99.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 21:50	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.

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July 18, 2023 9:10 am

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 58.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8750		mg/kg dry	5.13	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-36-0	Antimony	5.43	M-CCV 1	mg/kg dry	2.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-38-2	Arsenic	15.2		mg/kg dry	1.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-39-3	Barium	136		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-41-7	Beryllium	0.137		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.308	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-70-2	Calcium	4540		mg/kg dry	5.14	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-47-3	Chromium	17.7		mg/kg dry	0.514	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-48-4	Cobalt	4.70		mg/kg dry	0.410	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-50-8	Copper	38.2		mg/kg dry	2.05	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7439-89-6	Iron	17900		mg/kg dry	25.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7439-92-1	Lead	207		mg/kg dry	0.514	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7439-95-4	Magnesium	2780		mg/kg dry	5.14	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7439-96-5	Manganese	193		mg/kg dry	0.514	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-02-0	Nickel	33.6		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-09-7	Potassium	1470	B	mg/kg dry	5.14	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-22-4	Silver	ND		mg/kg dry	0.518	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG





**Sample Information**

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:10 am	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	382		mg/kg dry	51.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-28-0	Thallium	16.4		mg/kg dry	2.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-62-2	Vanadium	23.0		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG
7440-66-6	Zinc	134		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:53	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.26		mg/kg dry	0.0370	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.616	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.7		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.616	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB06\_15-16

**York Sample ID:** 23G0971-05

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 9:10 am

Date Received  
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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.1		%	0.100	1	SM 2540G	07/21/2023 12:39	07/21/2023 16:08	PMB
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 18:04	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 18:04	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC





Sample Information

Client Sample ID: RIB05\_15-16

York Sample ID: 23G0971-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:45 am

07/18/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2-Hexanone, Acetone, Benzene, etc.



### Sample Information

**Client Sample ID:** RIB05\_15-16

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Soil

July 18, 2023 9:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 18:04	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 9:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 18:04	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 18:04	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.3 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

Client Project ID

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23G0971

170758101

Soil

July 18, 2023 9:45 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0885</b>	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.0542</b>	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
120-12-7	<b>Anthracene</b>	<b>0.293</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.804</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

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170758101

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July 18, 2023 9:45 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.857</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.970</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.482</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.342</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
86-74-8	<b>Carbazole</b>	<b>0.0948</b>	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
218-01-9	<b>Chrysene</b>	<b>0.749</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.124</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.0606</b>	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
206-44-0	<b>Fluoranthene</b>	<b>1.81</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH



### Sample Information

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170758101

Soil

July 18, 2023 9:45 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.0916</b>	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.592</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
91-20-3	<b>Naphthalene</b>	<b>0.155</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
85-01-8	<b>Phenanthrene</b>	<b>1.17</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
129-00-0	<b>Pyrene</b>	<b>1.45</b>		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 18:35	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.8 %						20-108			
13127-88-3	Surrogate: SURR: Phenol-d6	67.0 %						23-114			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.0 %						22-108			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.3 %						21-113			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.0 %						19-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.6 %						24-116			



### Sample Information

**Client Sample ID:** RIB05\_15-16

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Soil

July 18, 2023 9:45 am

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 12:13	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	75.8 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.135	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0647	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.128	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.218	0.223	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.210	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.204	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.231	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.233	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.242	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.199	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.152	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.126	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.181	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.237	0.244	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.133	0.488	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.178	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ





### Sample Information

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.189	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.233	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.726	0.927	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.921	0.937	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.133	0.976	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:05	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.170	0.434	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.235	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0756	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.117	0.488	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.192	0.229	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.726	0.915	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.742	0.976	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.379	0.922	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.300	0.913	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.212	0.922	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.206	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.151	0.234	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.773	1.22	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.56	6.10	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.83	6.10	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.745	2.44	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ



**Sample Information**

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

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23G0971

170758101

Soil

July 18, 2023 9:45 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.220	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.850	2.44	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.242	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:05	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	150 %	25-150
Surrogate: M5PFHxA	149 %	25-150
Surrogate: M4PFHpA	131 %	25-150
Surrogate: M3PFHxS	151 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	127 %	25-150
Surrogate: M6PFDA	152 %	25-150
Surrogate: M7PFUdA	146 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	133 %	25-150
Surrogate: M2PFTeDA	130 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	81.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	176 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	142 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	166 %	10-150
Surrogate: d3-N-MeFOSAA	208 %	25-150
Surrogate: d5-N-EtFOSAA	232 %	25-150
Surrogate: M2-6:2 FTS	307 %	25-200
Surrogate: M2-8:2 FTS	223 %	25-200
Surrogate: M9PFNA	96.0 %	25-150
Surrogate: M2-4:2 FTS	265 %	25-150
Surrogate: d-N-MeFOSA	85.3 %	25-150
Surrogate: d-N-EtFOSA	61.2 %	25-150
Surrogate: M3HFPO-DA	122 %	25-150
Surrogate: d9-N-EtFOSE	94.5 %	25-150
Surrogate: d7-N-MeFOSE	82.8 %	25-150



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:45 am	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 05:18	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.199	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:18	BCJ



### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 18, 2023 9:45 am

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0398	5	EPA 8081B	07/24/2023 08:43	07/25/2023 05:18	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	110 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.9 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:07	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	87.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	91.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:01	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:01	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0243	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:01	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						





### Sample Information

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.

Client Project ID

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Soil

July 18, 2023 9:45 am

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 62.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6220		mg/kg dry	5.11	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-36-0	Antimony	4.01	M-CCV 1	mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-38-2	Arsenic	9.66		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-39-3	Barium	150		mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-41-7	Beryllium	0.132		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.307	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-70-2	Calcium	14200		mg/kg dry	5.11	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-47-3	Chromium	12.5		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-48-4	Cobalt	3.73		mg/kg dry	0.409	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-50-8	Copper	79.4		mg/kg dry	2.05	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7439-89-6	Iron	13200		mg/kg dry	25.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7439-92-1	Lead	332		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7439-95-4	Magnesium	2720		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7439-96-5	Manganese	204		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-02-0	Nickel	17.7		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-09-7	Potassium	1170	B	mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-22-4	Silver	ND		mg/kg dry	0.515	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG



**Sample Information**

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 9:45 am	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	437		mg/kg dry	51.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-28-0	Thallium	8.50		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-62-2	Vanadium	16.1		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG
7440-66-6	Zinc	134		mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:56	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	8.35		mg/kg dry	0.0368	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.614	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.5		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.614	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB05\_15-16

**York Sample ID:** 23G0971-07

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 9:45 am

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	81.5		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:27	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:27	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC





### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
67-64-1	<b>Acetone</b>	<b>0.012</b>	CCVE	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:27	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:27	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:27	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	<b>1,1-Biphenyl</b>	<b>0.676</b>		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
105-67-9	<b>2,4-Dimethylphenol</b>	<b>0.109</b>		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>2.71</b>		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	<b>2-Methylphenol</b>	<b>0.0704</b>	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
65794-96-9	<b>3- &amp; 4-Methylphenols</b>	<b>0.196</b>		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
83-32-9	<b>Acenaphthene</b>	<b>8.84</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
208-96-8	<b>Acenaphthylene</b>	<b>5.44</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
120-12-7	<b>Anthracene</b>	<b>24.0</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>57.4</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>55.8</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>65.3</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>34.5</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>24.8</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
86-74-8	<b>Carbazole</b>	<b>6.97</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
218-01-9	<b>Chrysene</b>	<b>56.9</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>7.99</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
132-64-9	<b>Dibenzofuran</b>	<b>5.93</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
206-44-0	<b>Fluoranthene</b>	<b>144</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>7.99</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>36.1</b>	CCVE	mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
91-20-3	<b>Naphthalene</b>	<b>5.65</b>		mg/kg dry	0.587	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:44	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
85-01-8	<b>Phenanthrene</b>	<b>119</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
129-00-0	<b>Pyrene</b>	<b>128</b>		mg/kg dry	2.35	4.68	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:15	KH
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:05	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.6 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	50.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	54.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	84.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.6 %	24-116								



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July 18, 2023 10:45 am

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 12:30	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	69.3 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.127	0.202	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0605	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.209	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.196	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.191	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.216	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.218	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.186	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.143	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.118	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.169	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.221	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.124	0.457	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.167	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ





### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

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Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.177	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.679	0.867	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.862	0.877	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.124	0.913	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:18	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.159	0.406	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.220	0.457	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0708	0.457	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.110	0.457	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.179	0.215	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.679	0.856	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.694	0.913	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.355	0.863	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.281	0.854	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.199	0.863	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.193	0.221	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.142	0.219	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.724	1.14	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.39	5.71	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.71	5.71	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.697	2.28	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ



**Sample Information**

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.205	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.795	2.28	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:18	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	130 %	25-150
Surrogate: M5PFHxA	140 %	25-150
Surrogate: M4PFHpA	119 %	25-150
Surrogate: M3PFHxS	120 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	118 %	25-150
Surrogate: M6PFDA	102 %	25-150
Surrogate: M7PFUdA	119 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	118 %	25-150
Surrogate: M2PFTeDA	93.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	83.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	133 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	140 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	130 %	10-150
Surrogate: d3-N-MeFOSAA	218 %	25-150
Surrogate: d5-N-EtFOSAA	210 %	25-150
Surrogate: M2-6:2 FTS	303 %	25-200
Surrogate: M2-8:2 FTS	181 %	25-200
Surrogate: M9PFNA	105 %	25-150
Surrogate: M2-4:2 FTS	232 %	25-150
Surrogate: d-N-MeFOSA	75.5 %	25-150
Surrogate: d-N-EtFOSA	73.8 %	25-150
Surrogate: M3HFPO-DA	115 %	25-150
Surrogate: d9-N-EtFOSE	73.5 %	25-150
Surrogate: d7-N-MeFOSE	81.8 %	25-150



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 10:45 am	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
72-55-9	4,4'-DDE	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
50-29-3	<b>4,4'-DDT</b>	<b>0.00303</b>		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
309-00-2	Aldrin	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 18:34	BCJ
1031-07-8	Endosulfan sulfate	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
58-89-9	gamma-BHC (Lindane)	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
76-44-8	Heptachlor	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
1024-57-3	Heptachlor epoxide	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 18:34	BCJ



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23G0971

170758101

Soil

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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B	07/24/2023 08:43	07/25/2023 18:34	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	79.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	30.9 %		30-150						

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:21	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	77.0 %		30-120						

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0227	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:12	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:12	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:12	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

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July 18, 2023 10:45 am

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 44.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8440		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-36-0	Antimony	2.62	M-CCV 1	mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-38-2	Arsenic	25.0		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-39-3	Barium	495		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-41-7	Beryllium	0.303		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-43-9	Cadmium	2.59		mg/kg dry	0.286	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-70-2	Calcium	59500		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-47-3	Chromium	22.0		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-48-4	Cobalt	3.64		mg/kg dry	0.382	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-50-8	Copper	260		mg/kg dry	1.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7439-89-6	Iron	20400		mg/kg dry	23.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7439-92-1	Lead	2700		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7439-95-4	Magnesium	4230		mg/kg dry	4.78	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7439-96-5	Manganese	261		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-02-0	Nickel	26.1		mg/kg dry	0.951	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-09-7	Potassium	1600	B	mg/kg dry	4.78	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-22-4	Silver	ND		mg/kg dry	0.481	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG



**Sample Information**

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 10:45 am

07/18/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1080		mg/kg dry	47.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-28-0	Thallium	12.9		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-62-2	Vanadium	23.2		mg/kg dry	0.951	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG
7440-66-6	Zinc	1090		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 12:58	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	82.6		mg/kg dry	0.344	10	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.573	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.0		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.573	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB02\_0-2

**York Sample ID:** 23G0971-08

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 10:45 am

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	87.3		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:00 am	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 13:18	07/25/2023 00:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 13:18	07/25/2023 00:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
78-93-3	<b>2-Butanone</b>	<b>0.013</b>		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:00 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
67-64-1	<b>Acetone</b>	<b>0.12</b>		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

**York Project (SDG) No.**  
23G0971

**Client Project ID**  
170758101

**Matrix**  
Soil

**Collection Date/Time**  
July 18, 2023 11:00 am

**Date Received**  
07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 13:18	07/25/2023 00:13	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

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July 18, 2023 11:00 am

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 13:18	07/25/2023 00:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 13:18	07/25/2023 00:13	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	94.8 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH



### Sample Information

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
62-53-3	Aniline	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
120-12-7	<b>Anthracene</b>	<b>0.0692</b>	<b>J</b>	mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.210</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH



### Sample Information

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.219</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.251</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.101</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.0883</b>	J	mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
218-01-9	<b>Chrysene</b>	<b>0.178</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
206-44-0	<b>Fluoranthene</b>	<b>0.398</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.123</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
85-01-8	<b>Phenanthrene</b>	<b>0.227</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
129-00-0	<b>Pyrene</b>	<b>0.318</b>		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 19:34	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	72.2 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	65.8 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.3 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	94.3 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.8 %	24-116



**Sample Information**

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

York Project (SDG) No.

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Soil

July 18, 2023 11:00 am

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 12:47	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	71.5 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.131	0.209	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0627	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.124	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.212	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.203	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.198	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.224	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.226	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.234	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.193	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.148	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.122	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.175	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.229	0.237	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.129	0.473	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.173	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ





### Sample Information

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.183	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.704	0.899	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.893	0.908	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.129	0.946	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 02:55	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.164	0.421	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.228	0.473	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0733	0.473	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.114	0.473	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.186	0.222	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.704	0.887	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.719	0.946	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.368	0.894	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.291	0.885	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.206	0.894	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.200	0.229	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.147	0.227	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.750	1.18	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.48	5.91	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.77	5.91	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.723	2.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ



**Sample Information**

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

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170758101

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July 18, 2023 11:00 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.213	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.824	2.37	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.234	0.237	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 02:55	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	177 %	25-150
Surrogate: M5PFHxA	152 %	25-150
Surrogate: M4PFHpA	132 %	25-150
Surrogate: M3PFHxS	167 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	108 %	25-150
Surrogate: M6PFDA	85.3 %	25-150
Surrogate: M7PFUdA	86.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	91.6 %	25-150
Surrogate: M2PFTeDA	110 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	31.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	125 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	126 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	111 %	10-150
Surrogate: d3-N-MeFOSAA	144 %	25-150
Surrogate: d5-N-EtFOSAA	145 %	25-150
Surrogate: M2-6:2 FTS	301 %	25-200
Surrogate: M2-8:2 FTS	188 %	25-200
Surrogate: M9PFNA	127 %	25-150
Surrogate: M2-4:2 FTS	299 %	25-150
Surrogate: d-N-MeFOSA	90.6 %	25-150
Surrogate: d-N-EtFOSA	109 %	25-150
Surrogate: M3HFPO-DA	127 %	25-150
Surrogate: d9-N-EtFOSE	98.8 %	25-150
Surrogate: d7-N-MeFOSE	102 %	25-150



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 05:34	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 05:34	BCJ



### Sample Information

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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0394	5	EPA 8081B	07/24/2023 08:43	07/25/2023 05:34	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	85.3 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:34	BCJ
Certifications:										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	88.5 %	30-120							

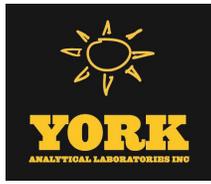
**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A	07/20/2023 07:47	07/20/2023 17:27	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A	07/20/2023 07:47	07/20/2023 17:27	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A	07/20/2023 07:47	07/20/2023 17:27	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 11:00 am

Date Received  
07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 74.8 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8190		mg/kg dry	4.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-36-0	Antimony	2.86	M-CCV 1	mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-38-2	Arsenic	8.25		mg/kg dry	1.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-39-3	Barium	57.4		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.299	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-70-2	Calcium	4360		mg/kg dry	4.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-47-3	Chromium	13.5		mg/kg dry	0.499	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-48-4	Cobalt	4.29		mg/kg dry	0.399	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-50-8	Copper	11.4		mg/kg dry	2.00	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7439-89-6	Iron	14100		mg/kg dry	24.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7439-92-1	Lead	126		mg/kg dry	0.499	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7439-95-4	Magnesium	2610		mg/kg dry	4.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7439-96-5	Manganese	390		mg/kg dry	0.499	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-02-0	Nickel	17.5		mg/kg dry	0.993	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-09-7	Potassium	1450	B	mg/kg dry	4.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-22-4	Silver	ND		mg/kg dry	0.503	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG



### Sample Information

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:00 am	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	492		mg/kg dry	49.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-28-0	Thallium	8.28		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-62-2	Vanadium	18.7		mg/kg dry	0.993	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG
7440-66-6	Zinc	54.4		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:20	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.232		mg/kg dry	0.0359	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.598	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.5		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.598	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB02\_15.5-17.5

**York Sample ID:** 23G0971-09

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 11:00 am

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	83.6		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:05 am	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 20:38	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 20:38	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.083	0.17	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0054</b>	J	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
67-64-1	<b>Acetone</b>	<b>0.039</b>		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.0061</b>	J, CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 20:38	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 20:38	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.025	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 20:38	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.289	0.578	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.289	0.578	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH



**Sample Information**

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:05 am	<u>Date Received</u> 07/18/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.144	0.289	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0724	0.144	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH
110-86-1	Pyridine	ND		mg/kg dry	0.289	0.578	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 20:03	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	56.6 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	51.8 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	51.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.1 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	52.4 %	24-116



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:05 am	<u>Date Received</u> 07/18/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 13:04	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	65.4 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.192	0.306	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0917	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.182	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.310	0.317	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.298	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.289	0.322	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.327	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.331	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.343	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.216	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.178	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.256	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.336	0.346	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.189	0.692	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.253	0.346	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	0.346	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.331	0.334	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.03	1.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.31	1.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.189	1.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:19	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.241	0.616	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.334	0.692	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.107	0.692	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.166	0.692	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.272	0.325	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	1.03	1.30	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	1.05	1.38	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.538	1.31	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.426	1.29	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.301	1.31	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.293	0.336	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.215	0.332	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.10	1.73	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.63	8.65	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.60	8.65	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	1.06	3.46	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ



**Sample Information**

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

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23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.312	0.346	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.21	3.46	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.343	0.346	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:19	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	124 %	25-150
Surrogate: M5PFHxA	149 %	25-150
Surrogate: M4PFHpA	126 %	25-150
Surrogate: M3PFHxS	115 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	107 %	25-150
Surrogate: M6PFDA	84.8 %	25-150
Surrogate: M7PFUdA	114 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	122 %	25-150
Surrogate: M2PFTeDA	97.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	55.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	105 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	142 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	112 %	10-150
Surrogate: d3-N-MeFOSAA	196 %	25-150
Surrogate: d5-N-EtFOSAA	217 %	25-150
Surrogate: M2-6:2 FTS	356 %	25-200
Surrogate: M2-8:2 FTS	239 %	25-200
Surrogate: M9PFNA	98.8 %	25-150
Surrogate: M2-4:2 FTS	254 %	25-150
Surrogate: d-N-MeFOSA	68.6 %	25-150
Surrogate: d-N-EtFOSA	68.1 %	25-150
Surrogate: M3HFPO-DA	129 %	25-150
Surrogate: d9-N-EtFOSE	70.2 %	25-150
Surrogate: d7-N-MeFOSE	75.0 %	25-150



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:05 am	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 06:24	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.282	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:24	BCJ



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0564	5	EPA 8081B	07/24/2023 08:43	07/25/2023 06:24	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	114 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0285	1	EPA 8082A	07/24/2023 08:43	07/25/2023 20:48	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	98.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	100 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0340	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:22	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0340	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:22	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0340	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:22	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 37.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	21100		mg/kg dry	7.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-36-0	Antimony	13.0	M-CCV 1	mg/kg dry	3.62	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-38-2	Arsenic	29.9		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-39-3	Barium	48.0		mg/kg dry	3.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-41-7	Beryllium	0.694		mg/kg dry	0.073	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.434	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-70-2	Calcium	2270		mg/kg dry	7.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-47-3	Chromium	34.1		mg/kg dry	0.725	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-48-4	Cobalt	3.66		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-50-8	Copper	8.95		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7439-89-6	Iron	41200		mg/kg dry	36.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7439-92-1	Lead	33.6		mg/kg dry	0.725	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7439-95-4	Magnesium	7580		mg/kg dry	7.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7439-96-5	Manganese	300		mg/kg dry	0.725	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-02-0	Nickel	24.4		mg/kg dry	1.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-09-7	Potassium	4680	B	mg/kg dry	7.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.62	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-22-4	Silver	ND		mg/kg dry	0.730	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG





### Sample Information

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 11:05 am	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1740		mg/kg dry	72.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-28-0	Thallium	29.8		mg/kg dry	3.62	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-62-2	Vanadium	39.3		mg/kg dry	1.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG
7440-66-6	Zinc	72.9		mg/kg dry	3.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:34	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0521	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.869	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	34.1		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.869	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB02\_20-21

**York Sample ID:** 23G0971-10

York Project (SDG) No.

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Matrix

Collection Date/Time

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170758101

Soil

July 18, 2023 11:05 am

07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	57.5		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			





### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0971-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 12:15 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:54	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:54	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0044</b>	J	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0971-11

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July 18, 2023 12:15 pm

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
67-64-1	<b>Acetone</b>	<b>0.064</b>	CCVE	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC



### Sample Information

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 18:54	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC



### Sample Information

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 18:54	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 18:54	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH



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July 18, 2023 12:15 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
62-53-3	Aniline	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0971-11

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July 18, 2023 12:15 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
117-84-0	<b>Di-n-octyl phthalate</b>	<b>0.0597</b>	J	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH



### Sample Information

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July 18, 2023 12:15 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
108-95-2	Phenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH
110-86-1	Pyridine	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:00	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	59.7 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.8 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	75.1 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.2 %	24-116



### Sample Information

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Soil

July 18, 2023 12:15 pm

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 13:21	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.4 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.134	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0642	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.127	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.217	0.222	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.208	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.202	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>0.290</b>		ug/kg dry	0.229	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.231	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.240	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.197	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.151	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.125	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.179	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.235	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.132	0.484	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.177	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ





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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.188	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.231	0.234	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.721	0.920	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.914	0.930	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.132	0.969	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:31	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.168	0.431	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.234	0.484	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0751	0.484	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.116	0.484	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.190	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.721	0.908	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.736	0.969	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.377	0.916	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.298	0.906	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.211	0.916	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.205	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.150	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.768	1.21	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.54	6.06	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.82	6.06	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.740	2.42	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ



**Sample Information**

**Client Sample ID:** RIB12\_18-20

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July 18, 2023 12:15 pm

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.218	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.844	2.42	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.240	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:31	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	143 %	25-150
Surrogate: M5PFHxA	147 %	25-150
Surrogate: M4PFHpA	132 %	25-150
Surrogate: M3PFHxS	139 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %	25-150
Surrogate: M6PFDA	93.5 %	25-150
Surrogate: M7PFUdA	71.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	72.2 %	25-150
Surrogate: M2PFTeDA	45.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	50.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	135 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	141 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	82.6 %	10-150
Surrogate: d3-N-MeFOSAA	122 %	25-150
Surrogate: d5-N-EtFOSAA	134 %	25-150
Surrogate: M2-6:2 FTS	225 %	25-200
Surrogate: M2-8:2 FTS	211 %	25-200
Surrogate: M9PFNA	110 %	25-150
Surrogate: M2-4:2 FTS	245 %	25-150
Surrogate: d-N-MeFOSA	48.5 %	25-150
Surrogate: d-N-EtFOSA	61.1 %	25-150
Surrogate: M3HFPO-DA	126 %	25-150
Surrogate: d9-N-EtFOSE	47.5 %	25-150
Surrogate: d7-N-MeFOSE	57.6 %	25-150



### Sample Information

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0971-11

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 12:15 pm	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 06:41	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.195	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:41	BCJ



### Sample Information

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0390	5	EPA 8081B	07/24/2023 08:43	07/25/2023 06:41	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	112 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	87.6 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:02	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	89.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	93.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB12\_18-20

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 44.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9200		mg/kg dry	5.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-36-0	Antimony	4.54	M-CCV 1	mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-38-2	Arsenic	11.0		mg/kg dry	1.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-39-3	Barium	229		mg/kg dry	2.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-41-7	Beryllium	0.288		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.303	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-70-2	Calcium	7340		mg/kg dry	5.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-47-3	Chromium	14.9		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-48-4	Cobalt	4.05		mg/kg dry	0.404	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-50-8	Copper	17.0		mg/kg dry	2.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7439-89-6	Iron	13000		mg/kg dry	25.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7439-92-1	Lead	143		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7439-95-4	Magnesium	1940		mg/kg dry	5.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7439-96-5	Manganese	108		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-02-0	Nickel	20.2		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-09-7	Potassium	1090	B	mg/kg dry	5.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-22-4	Silver	ND		mg/kg dry	0.510	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG





**Sample Information**

**Client Sample ID:** RIB12\_18-20

**York Sample ID:** 23G0971-11

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 12:15 pm	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	692		mg/kg dry	50.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-28-0	Thallium	8.94		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-62-2	Vanadium	22.4		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG
7440-66-6	Zinc	34.3		mg/kg dry	2.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:36	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0746		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.607	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.9		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.607	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

Client Sample ID: RIB12\_18-20

York Sample ID: 23G0971-11

York Project (SDG) No. 23G0971

Client Project ID 170758101

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Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	82.4		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 21:39	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 21:39	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

Matrix

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23G0971

170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

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23G0971

170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 21:39	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
127-18-4	<b>Tetrachloroethylene</b>	<b>0.030</b>	QL-02	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 21:39	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 21:39	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.4 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

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170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
62-53-3	Aniline	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.163</b>		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH



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July 18, 2023 1:00 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.125		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
205-99-2	Benzo(b)fluoranthene	0.111		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
191-24-2	Benzo(g,h,i)perylene	0.0788	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
207-08-9	Benzo(k)fluoranthene	0.108		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
218-01-9	Chrysene	0.155		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
117-84-0	Di-n-octyl phthalate	0.0585	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
206-44-0	Fluoranthene	0.374		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH



### Sample Information

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Soil

July 18, 2023 1:00 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0959</b>	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
85-01-8	<b>Phenanthrene</b>	<b>0.311</b>		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
108-95-2	Phenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
129-00-0	<b>Pyrene</b>	<b>0.351</b>		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 10:30	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	78.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	63.4 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	92.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.0 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.2 %	24-116





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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 13:38	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	66.4 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.134	0.214	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0639	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.127	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.216	0.221	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.207	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.201	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.228	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.230	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.239	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.197	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.151	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.124	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.179	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.234	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.131	0.483	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.176	0.241	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ





### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

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Date Received

23G0971

170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.187	0.241	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.230	0.233	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.718	0.917	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.911	0.926	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.131	0.965	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:44	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.168	0.429	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.233	0.483	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0748	0.483	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.116	0.483	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.189	0.227	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.718	0.905	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.733	0.965	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.375	0.912	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.297	0.902	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.210	0.912	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.204	0.234	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.150	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.765	1.21	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.53	6.03	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.81	6.03	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.737	2.41	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ



**Sample Information**

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

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170758101

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07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.217	0.241	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.841	2.41	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.239	0.241	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:44	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	126 %	25-150
Surrogate: M5PFHxA	135 %	25-150
Surrogate: M4PFHpA	113 %	25-150
Surrogate: M3PFHxS	114 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	105 %	25-150
Surrogate: M6PFDA	78.8 %	25-150
Surrogate: M7PFUdA	70.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	72.5 %	25-150
Surrogate: M2PFTeDA	55.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	38.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	82.7 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	121 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	73.5 %	10-150
Surrogate: d3-N-MeFOSAA	89.2 %	25-150
Surrogate: d5-N-EtFOSAA	96.5 %	25-150
Surrogate: M2-6:2 FTS	200 %	25-200
Surrogate: M2-8:2 FTS	145 %	25-200
Surrogate: M9PFNA	114 %	25-150
Surrogate: M2-4:2 FTS	197 %	25-150
Surrogate: d-N-MeFOSA	64.6 %	25-150
Surrogate: d-N-EtFOSA	65.0 %	25-150
Surrogate: M3HFPO-DA	116 %	25-150
Surrogate: d9-N-EtFOSE	39.9 %	25-150
Surrogate: d7-N-MeFOSE	46.6 %	25-150



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 1:00 pm	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 06:58	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 06:58	BCJ



### Sample Information

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**York Sample ID:** 23G0971-12

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

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**Date Received**

23G0971

170758101

Soil

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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0393	5	EPA 8081B	07/24/2023 08:43	07/25/2023 06:58	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	108 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	85.3 %		30-150						

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:16	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	96.0 %		30-120						

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0241	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:44	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0241	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:44	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0241	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:44	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

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July 18, 2023 1:00 pm

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 63.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8160		mg/kg dry	5.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-36-0	Antimony	3.42	M-CCV 1	mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-38-2	Arsenic	14.0		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-39-3	Barium	469		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-41-7	Beryllium	0.538		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.306	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-70-2	Calcium	9290		mg/kg dry	5.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-47-3	Chromium	18.4		mg/kg dry	0.510	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-48-4	Cobalt	8.25		mg/kg dry	0.407	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-50-8	Copper	46.8		mg/kg dry	2.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7439-89-6	Iron	12000		mg/kg dry	25.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7439-92-1	Lead	989		mg/kg dry	0.510	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7439-95-4	Magnesium	1580		mg/kg dry	5.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7439-96-5	Manganese	256		mg/kg dry	0.510	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-02-0	Nickel	25.9		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-09-7	Potassium	1390	B	mg/kg dry	5.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-22-4	Silver	ND		mg/kg dry	0.514	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG





### Sample Information

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:00 pm

07/18/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	813		mg/kg dry	51.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-28-0	Thallium	7.92		mg/kg dry	2.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-62-2	Vanadium	24.7		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG
7440-66-6	Zinc	224		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:39	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	16.1		mg/kg dry	0.367	10	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.612	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.4		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.612	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB10\_0-2

**York Sample ID:** 23G0971-12

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 1:00 pm

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	81.8		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 1:05 pm	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 19:21	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 19:21	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:05 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
67-64-1	<b>Acetone</b>	<b>0.047</b>	CCVE	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:05 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>0.0052</b>		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:21	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:21	BMC



Sample Information

Client Sample ID: RIB10\_10-12

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VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, etc.



### Sample Information

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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0979	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0490	0.0979	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:01	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	34.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	40.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	44.5 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.8 %	24-116



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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 13:55	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	65.2 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.130	0.208	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0622	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.210	0.215	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.202	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.196	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.222	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.224	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.232	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.191	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.147	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.121	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.174	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.228	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.128	0.470	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.171	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ





### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.

Client Project ID

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170758101

Soil

July 18, 2023 1:05 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.182	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.224	0.227	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.699	0.892	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.886	0.902	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.128	0.939	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 03:56	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.163	0.418	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.227	0.470	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0728	0.470	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.113	0.470	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.184	0.221	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.699	0.881	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.714	0.939	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.365	0.888	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.289	0.878	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.204	0.888	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.198	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.146	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.744	1.17	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.46	5.87	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.76	5.87	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.717	2.35	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ



**Sample Information**

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.

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23G0971

170758101

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July 18, 2023 1:05 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.211	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.818	2.35	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.232	0.235	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 03:56	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	121 %	25-150
Surrogate: M5PFHxA	151 %	25-150
Surrogate: M4PFHpA	134 %	25-150
Surrogate: M3PFHxS	119 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	108 %	25-150
Surrogate: M6PFDA	93.7 %	25-150
Surrogate: M7PFUdA	82.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	78.7 %	25-150
Surrogate: M2PFTeDA	55.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	37.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	124 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	121 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	130 %	10-150
Surrogate: d3-N-MeFOSAA	136 %	25-150
Surrogate: d5-N-EtFOSAA	140 %	25-150
Surrogate: M2-6:2 FTS	210 %	25-200
Surrogate: M2-8:2 FTS	153 %	25-200
Surrogate: M9PFNA	95.5 %	25-150
Surrogate: M2-4:2 FTS	209 %	25-150
Surrogate: d-N-MeFOSA	71.5 %	25-150
Surrogate: d-N-EtFOSA	60.4 %	25-150
Surrogate: M3HFPO-DA	124 %	25-150
Surrogate: d9-N-EtFOSE	48.8 %	25-150
Surrogate: d7-N-MeFOSE	59.4 %	25-150



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 1:05 pm	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 07:14	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:14	BCJ



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B	07/24/2023 08:43	07/25/2023 07:14	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	116 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.1 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:29	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	106 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:55	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:55	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A	07/19/2023 16:45	07/19/2023 22:55	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.

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July 18, 2023 1:05 pm

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 70.8 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6730		mg/kg dry	4.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-36-0	Antimony	3.24	M-CCV 1	mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-38-2	Arsenic	6.25		mg/kg dry	1.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-39-3	Barium	79.0		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.295	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-70-2	Calcium	5970		mg/kg dry	4.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-47-3	Chromium	15.7		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-48-4	Cobalt	3.45		mg/kg dry	0.393	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-50-8	Copper	14.4		mg/kg dry	1.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7439-89-6	Iron	10900		mg/kg dry	24.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7439-92-1	Lead	181		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7439-95-4	Magnesium	2270		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7439-96-5	Manganese	163		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-02-0	Nickel	19.4		mg/kg dry	0.980	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-09-7	Potassium	1120	B	mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-22-4	Silver	ND		mg/kg dry	0.496	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG





### Sample Information

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 1:05 pm	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	376		mg/kg dry	49.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-28-0	Thallium	9.48		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-62-2	Vanadium	13.3		mg/kg dry	0.980	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG
7440-66-6	Zinc	51.3		mg/kg dry	2.45	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:41	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.353		mg/kg dry	0.0354	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 18:19	07/25/2023 23:48	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.591	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.7		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB10\_10-12

**York Sample ID:** 23G0971-13

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 1:05 pm

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.7		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB10\_18-20

**York Sample ID:** 23G0971-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:10 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 22:38	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 22:38	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC



### Sample Information

**Client Sample ID:** RIB10\_18-20

**York Sample ID:** 23G0971-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:10 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
67-64-1	<b>Acetone</b>	<b>0.048</b>		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC



### Sample Information

**Client Sample ID:** RIB10\_18-20

**York Sample ID:** 23G0971-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:10 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:31	07/21/2023 22:38	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC



### Sample Information

**Client Sample ID:** RIB10\_18-20

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:31	07/21/2023 22:38	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:31	07/21/2023 22:38	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.8 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.211	0.421	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.211	0.421	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.211	0.421	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 11:31	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.2 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	43.7 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	70.5 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.4 %	24-116



### Sample Information

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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 14:12	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	71.6 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.140	0.224	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0671	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.133	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.227	0.232	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.218	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.211	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>0.386</b>		ug/kg dry	0.239	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.242	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.251	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.206	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.158	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.130	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.187	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.246	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.138	0.506	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.185	0.253	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ





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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.196	0.253	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.242	0.244	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.753	0.962	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.956	0.972	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.138	1.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:08	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.176	0.451	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.244	0.506	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0785	0.506	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.122	0.506	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.199	0.238	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.753	0.949	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.770	1.01	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.394	0.957	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.311	0.947	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.220	0.957	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.214	0.246	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.157	0.243	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.802	1.27	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.66	6.33	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.90	6.33	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.773	2.53	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ



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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.228	0.253	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.882	2.53	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.251	0.253	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:08	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	116 %	25-150
Surrogate: M5PFHxA	135 %	25-150
Surrogate: M4PFHpA	123 %	25-150
Surrogate: M3PFHxS	124 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	115 %	25-150
Surrogate: M6PFDA	120 %	25-150
Surrogate: M7PFUdA	121 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	121 %	25-150
Surrogate: M2PFTeDA	99.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	56.9 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	136 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	127 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	123 %	10-150
Surrogate: d3-N-MeFOSAA	167 %	25-150
Surrogate: d5-N-EtFOSAA	195 %	25-150
Surrogate: M2-6:2 FTS	265 %	25-200
Surrogate: M2-8:2 FTS	172 %	25-200
Surrogate: M9PFNA	108 %	25-150
Surrogate: M2-4:2 FTS	209 %	25-150
Surrogate: d-N-MeFOSA	74.3 %	25-150
Surrogate: d-N-EtFOSA	67.6 %	25-150
Surrogate: M3HFPO-DA	113 %	25-150
Surrogate: d9-N-EtFOSE	70.6 %	25-150
Surrogate: d7-N-MeFOSE	78.3 %	25-150



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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 07:31	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.209	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:31	BCJ



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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0419	5	EPA 8081B	07/24/2023 08:43	07/25/2023 07:31	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>			Certifications:			
2051-24-3	Surrogate: Decachlorobiphenyl	123 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	97.6 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0211	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:43	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	101 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	100 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0250	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:06	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0250	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:06	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0250	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:06	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB10\_18-20

**York Sample ID:** 23G0971-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:10 pm

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 76.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7780		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-36-0	Antimony	3.35	M-CCV 1	mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-38-2	Arsenic	9.12		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-39-3	Barium	162		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-41-7	Beryllium	0.222		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.318	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-70-2	Calcium	8530		mg/kg dry	5.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-47-3	Chromium	15.9		mg/kg dry	0.531	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-48-4	Cobalt	4.40		mg/kg dry	0.424	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-50-8	Copper	18.7		mg/kg dry	2.12	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7439-89-6	Iron	12000		mg/kg dry	26.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7439-92-1	Lead	87.5		mg/kg dry	0.531	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7439-95-4	Magnesium	2340		mg/kg dry	5.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7439-96-5	Manganese	175		mg/kg dry	0.531	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-02-0	Nickel	19.4		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-09-7	Potassium	1430	B	mg/kg dry	5.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-22-4	Silver	ND		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG



### Sample Information

**Client Sample ID:** RIB10\_18-20

**York Sample ID:** 23G0971-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 1:10 pm

07/18/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	745		mg/kg dry	53.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-28-0	Thallium	8.58		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-62-2	Vanadium	19.6		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG
7440-66-6	Zinc	54.8		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:44	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.356		mg/kg dry	0.0382	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 11:46	07/26/2023 17:36	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.637	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.9		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.637	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

Client Sample ID: RIB10\_18-20

York Sample ID: 23G0971-14

York Project (SDG) No. 23G0971

Client Project ID 170758101

Matrix Soil

Collection Date/Time July 18, 2023 1:10 pm

Date Received 07/18/2023

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	78.5		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 3:00 pm	<u>Date Received</u> 07/18/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 19:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 19:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.076	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
67-64-1	<b>Acetone</b>	<b>0.026</b>	CCVE	mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 19:47	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 19:47	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.023	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 19:47	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 3:00 pm	<u>Date Received</u> 07/18/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

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23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/26/2023 12:01	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	56.6 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	49.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.8 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	74.5 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.4 %	24-116





### Sample Information

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170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 14:30	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	66.4 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.143	0.228	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0682	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.135	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.230	0.236	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.221	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.215	0.239	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.243	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.246	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.255	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.210	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.161	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.133	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.190	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.250	0.257	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.140	0.515	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.188	0.257	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ



### Sample Information

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170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.199	0.257	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.246	0.248	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.766	0.978	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.972	0.988	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.140	1.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:58	07/26/2023 04:20	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.179	0.458	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.248	0.515	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0798	0.515	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.124	0.515	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.202	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.766	0.965	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.782	1.03	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.400	0.973	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.317	0.963	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.224	0.973	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.217	0.250	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.160	0.247	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.816	1.29	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.70	6.43	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.93	6.43	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.786	2.57	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ



**Sample Information**

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07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.232	0.257	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.897	2.57	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.255	0.257	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:58	07/26/2023 04:20	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	127 %	25-150
Surrogate: M5PFHxA	137 %	25-150
Surrogate: M4PFHpA	114 %	25-150
Surrogate: M3PFHxS	119 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	110 %	25-150
Surrogate: M6PFDA	98.9 %	25-150
Surrogate: M7PFUdA	75.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	65.2 %	25-150
Surrogate: M2PFTeDA	34.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	19.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	106 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	105 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	96.9 %	10-150
Surrogate: d3-N-MeFOSAA	93.8 %	25-150
Surrogate: d5-N-EtFOSAA	87.1 %	25-150
Surrogate: M2-6:2 FTS	244 %	25-200
Surrogate: M2-8:2 FTS	120 %	25-200
Surrogate: M9PFNA	110 %	25-150
Surrogate: M2-4:2 FTS	206 %	25-150
Surrogate: d-N-MeFOSA	53.3 %	25-150
Surrogate: d-N-EtFOSA	56.2 %	25-150
Surrogate: M3HFPO-DA	114 %	25-150
Surrogate: d9-N-EtFOSE	20.5 %	25-150
Surrogate: d7-N-MeFOSE	32.2 %	25-150



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 3:00 pm	<u>Date Received</u> 07/18/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/24/2023 08:43	07/25/2023 07:48	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
76-44-8	Heptachlor	ND	P	mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.212	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:43	07/25/2023 07:48	BCJ



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0424	5	EPA 8081B	07/24/2023 08:43	07/25/2023 07:48	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>			Certifications:			
2051-24-3	Surrogate: Decachlorobiphenyl	122 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	95.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A	07/24/2023 08:43	07/25/2023 21:56	BCJ
							Certifications:			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	101 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	108 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0254	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:16	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0254	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:16	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0254	1	EPA 8151A	07/19/2023 16:45	07/19/2023 23:16	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Soil

July 18, 2023 3:00 pm

07/18/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 59.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8490		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-36-0	Antimony	4.36		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-38-2	Arsenic	20.8		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-39-3	Barium	194		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-41-7	Beryllium	0.403		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-70-2	Calcium	9270		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-47-3	Chromium	13.1		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-48-4	Cobalt	3.35		mg/kg dry	0.429	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-50-8	Copper	24.1	M-CCV 1	mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7439-89-6	Iron	16500		mg/kg dry	26.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7439-92-1	Lead	222		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7439-95-4	Magnesium	1490		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7439-96-5	Manganese	168		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-02-0	Nickel	14.9		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-09-7	Potassium	1510	B	mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-22-4	Silver	ND		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG





**Sample Information**

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

<u>York Project (SDG) No.</u> 23G0971	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 18, 2023 3:00 pm	<u>Date Received</u> 07/18/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	783	M-CCV 1	mg/kg dry	53.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-28-0	Thallium	13.0		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-62-2	Vanadium	26.4		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG
7440-66-6	Zinc	196		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:27	07/26/2023 13:56	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.10		mg/kg dry	0.0387	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 11:46	07/26/2023 17:36	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.645	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.1		mg/kg	0.500	1	Calculation Certifications:	07/26/2023 07:36	07/27/2023 06:59	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.645	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 14:31	07/20/2023 17:33	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIDUP02\_071823

**York Sample ID:** 23G0971-15

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 18, 2023 3:00 pm

Date Received  
07/18/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	77.5		%	0.100	1	SM 2540G	07/20/2023 15:30	07/21/2023 09:37	S_S	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** ECFB03\_071823

**York Sample ID:** 23G0971-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:30 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.465	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.346	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.702	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.673	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.415	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.811	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.514	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.742	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.870	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.732	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.682	1.98	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.781	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.227	3.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.870	1.98	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.900	1.89	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.91	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.05	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.03	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.326	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ



### Sample Information

**Client Sample ID:** ECFB03\_071823

**York Sample ID:** 23G0971-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:30 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.495	3.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.12	3.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.247	3.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.366	3.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.752	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.77	7.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.19	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.36	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.692	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
919005-14-4	ADONA	ND		ng/L	0.524	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:46	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.920	1.92	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.851	1.90	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.01	4.95	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.25	24.7	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.37	24.7	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.95	19.8	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.56	1.98	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.95	19.8	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.78	1.98	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:46	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

177 %

25-150

Surrogate: M5PFHxA

154 %

25-150

Surrogate: M4PFHpA

125 %

25-150

Surrogate: M3PFHxS

203 %

25-150



**Sample Information**

**Client Sample ID:** ECFB03\_071823

**York Sample ID:** 23G0971-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 2:30 pm

07/18/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	126 %			25-150						
	Surrogate: M6PFDA	111 %			25-150						
	Surrogate: M7PFUdA	118 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	114 %			25-150						
	Surrogate: M2PFTeDA	82.0 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	15.5 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	141 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	134 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	141 %			10-150						
	Surrogate: d3-N-MeFOSAA	172 %			25-150						
	Surrogate: d5-N-EtFOSAA	175 %			25-150						
	Surrogate: M2-6:2 FTS	379 %			25-200						
	Surrogate: M2-8:2 FTS	198 %			25-200						
	Surrogate: M9PFNA	134 %			25-150						
	Surrogate: M2-4:2 FTS	306 %			25-150						
	Surrogate: d-N-MeFOSA	108 %			25-150						
	Surrogate: d-N-EtFOSA	72.2 %			25-150						
	Surrogate: M3HFPO-DA	133 %			25-150						
	Surrogate: d9-N-EtFOSE	67.6 %			25-150						
	Surrogate: d7-N-MeFOSE	87.4 %			25-150						



### Sample Information

**Client Sample ID:** RITB02\_071823

**York Sample ID:** 23G0971-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG



### Sample Information

**Client Sample ID:** RITB02\_071823

**York Sample ID:** 23G0971-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
67-64-1	<b>Acetone</b>	<b>6.74</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG



### Sample Information

**Client Sample ID:** RITB02\_071823

**York Sample ID:** 23G0971-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0971

170758101

Water

July 18, 2023 3:00 pm

07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
75-09-2	<b>Methylene chloride</b>	<b>1.04</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:04	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG



**Sample Information**

**Client Sample ID:** RITB02\_071823

**York Sample ID:** 23G0971-17

York Project (SDG) No.  
23G0971

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 18, 2023 3:00 pm

Date Received  
07/18/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:04	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 06:27	07/20/2023 16:04	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	92.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.3 %	79-122								



## Analytical Batch Summary

**Batch ID:** BG30851      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/21/23
23G0971-04	RIB06_10-12	07/21/23
23G0971-05	RIB06_15-16	07/21/23
23G0971-07	RIB05_15-16	07/21/23
23G0971-10	RIB02_20-21	07/21/23
23G0971-12	RIB10_0-2	07/21/23
23G0971-14	RIB10_18-20	07/21/23
BG30851-BLK1	Blank	07/21/23
BG30851-BS1	LCS	07/21/23
BG30851-BSD1	LCS Dup	07/21/23

**Batch ID:** BG30854      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-08	RIB02_0-2	07/24/23
23G0971-11	RIB12_18-20	07/24/23
23G0971-13	RIB10_10-12	07/24/23
23G0971-15	RIDUP02_071823	07/24/23
BG30854-BLK1	Blank	07/24/23
BG30854-BS1	LCS	07/24/23
BG30854-BSD1	LCS Dup	07/24/23

**Batch ID:** BG30856      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-09	RIB02_15.5-17.5	07/24/23
BG30856-BLK1	Blank	07/24/23
BG30856-BS1	LCS	07/24/23
BG30856-MS1	Matrix Spike	07/24/23
BG30856-MSD1	Matrix Spike Dup	07/24/23

**Batch ID:** BG30970      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/19/23
BG30970-BLK1	Blank	07/19/23
BG30970-BS1	LCS	07/19/23
BG30970-MS1	Matrix Spike	07/19/23
BG30970-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG31001      **Preparation Method:** Analysis Preparation      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
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23G0971-01	RIFB02_071823	07/18/23
BG31001-BLK1	Blank	07/18/23
BG31001-BS1	LCS	07/18/23
BG31001-DUP1	Duplicate	07/18/23
BG31001-MS1	Matrix Spike	07/18/23
BG31001-MSD1	Matrix Spike Dup	07/18/23

**Batch ID:** BG31020      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/19/23
23G0971-04	RIB06_10-12	07/19/23
23G0971-05	RIB06_15-16	07/19/23
23G0971-07	RIB05_15-16	07/19/23
23G0971-08	RIB02_0-2	07/19/23
23G0971-10	RIB02_20-21	07/19/23
23G0971-11	RIB12_18-20	07/19/23
23G0971-12	RIB10_0-2	07/19/23
23G0971-13	RIB10_10-12	07/19/23
23G0971-14	RIB10_18-20	07/19/23
23G0971-15	RIDUP02_071823	07/19/23
BG31020-BLK1	Blank	07/19/23
BG31020-BS1	LCS	07/19/23
BG31020-MS1	Matrix Spike	07/19/23
BG31020-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG31028      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** rg

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/19/23
23G0971-01	RIFB02_071823	07/19/23
BG31028-BLK1	Blank	07/19/23
BG31028-BLK2	Blank	07/19/23
BG31028-BS1	LCS	07/19/23
BG31028-BS2	LCS	07/19/23
BG31028-BSD2	LCS Dup	07/19/23

**Batch ID:** BG31055      **Preparation Method:** EPA 3510C      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/19/23
23G0971-01	RIFB02_071823	07/19/23
BG31055-BLK1	Blank	07/19/23
BG31055-BLK2	Blank	07/19/23
BG31055-BS1	LCS	07/19/23
BG31055-BS2	LCS	07/19/23
BG31055-BSD1	LCS Dup	07/19/23



**Batch ID:** BG31065

**Preparation Method:** EPA 1633 Prep

**Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/19/23
23G0971-04	RIB06_10-12	07/19/23
23G0971-05	RIB06_15-16	07/19/23
23G0971-07	RIB05_15-16	07/19/23
23G0971-08	RIB02_0-2	07/19/23
23G0971-09	RIB02_15.5-17.5	07/19/23
23G0971-10	RIB02_20-21	07/19/23
23G0971-11	RIB12_18-20	07/19/23
23G0971-12	RIB10_0-2	07/19/23
23G0971-13	RIB10_10-12	07/19/23
23G0971-14	RIB10_18-20	07/19/23
23G0971-15	RIDUP02_071823	07/19/23
BG31065-BLK1	Blank	07/19/23
BG31065-BS1	LCS	07/19/23
BG31065-BS2	LCS	07/19/23
BG31065-DUP1	Duplicate	07/19/23

**Batch ID:** BG31075

**Preparation Method:** Analysis Preparation

**Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/19/23
BG31075-BLK1	Blank	07/19/23
BG31075-BS1	LCS	07/19/23
BG31075-DUP1	Duplicate	07/19/23
BG31075-MS1	Matrix Spike	07/19/23
BG31075-MSD1	Matrix Spike Dup	07/19/23

**Batch ID:** BG31097

**Preparation Method:** EPA 3550C/8151A

**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-09	RIB02_15.5-17.5	07/20/23
BG31097-BLK1	Blank	07/20/23
BG31097-BS1	LCS	07/20/23
BG31097-MS1	Matrix Spike	07/20/23
BG31097-MSD1	Matrix Spike Dup	07/20/23

**Batch ID:** BG31137

**Preparation Method:** Analysis Preparation Soil

**Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-14	RIB10_18-20	07/20/23
23G0971-15	RIDUP02_071823	07/20/23
BG31137-BLK1	Blank	07/20/23
BG31137-DUP1	Duplicate	07/20/23
BG31137-MS1	Matrix Spike	07/20/23
BG31137-MSD1	Matrix Spike Dup	07/20/23
BG31137-SRM1	Reference	07/20/23



**Batch ID:** BG31153                      **Preparation Method:** EPA 5030B                      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/20/23
23G0971-17	RITB02_071823	07/20/23
BG31153-BLK1	Blank	07/20/23
BG31153-BS1	LCS	07/20/23
BG31153-BSD1	LCS Dup	07/20/23

**Batch ID:** BG31156                      **Preparation Method:** % Solids Prep                      **Prepared By:** S\_S

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-07	RIB05_15-16	07/20/23
23G0971-08	RIB02_0-2	07/20/23
23G0971-09	RIB02_15.5-17.5	07/20/23
23G0971-10	RIB02_20-21	07/20/23
23G0971-11	RIB12_18-20	07/20/23
23G0971-12	RIB10_0-2	07/20/23
23G0971-13	RIB10_10-12	07/20/23
23G0971-14	RIB10_18-20	07/20/23
23G0971-15	RIDUP02_071823	07/20/23
BG31156-DUP1	Duplicate	07/20/23

**Batch ID:** BG31196                      **Preparation Method:** Analysis Preparation Soil                      **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/21/23
23G0971-04	RIB06_10-12	07/21/23
BG31196-BLK1	Blank	07/21/23
BG31196-DUP1	Duplicate	07/21/23
BG31196-MS1	Matrix Spike	07/21/23
BG31196-MSD1	Matrix Spike Dup	07/21/23
BG31196-SRM1	Reference	07/21/23

**Batch ID:** BG31210                      **Preparation Method:** EPA 1633 Prep                      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-16	ECFB03_071823	07/21/23
BG31210-BLK1	Blank	07/21/23
BG31210-BS1	LCS	07/21/23
BG31210-BS2	LCS	07/21/23
BG31210-DUP1	Duplicate	07/21/23

**Batch ID:** BG31211                      **Preparation Method:** % Solids Prep                      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/21/23



23G0971-04	RIB06_10-12	07/21/23
23G0971-05	RIB06_15-16	07/21/23
BG31211-DUP1	Duplicate	07/21/23

**Batch ID:** BG31225      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-05	RIB06_15-16	07/21/23
23G0971-07	RIB05_15-16	07/21/23
23G0971-08	RIB02_0-2	07/21/23
23G0971-09	RIB02_15.5-17.5	07/21/23
23G0971-10	RIB02_20-21	07/21/23
23G0971-11	RIB12_18-20	07/21/23
23G0971-12	RIB10_0-2	07/21/23
23G0971-13	RIB10_10-12	07/21/23
BG31225-BLK1	Blank	07/21/23
BG31225-DUP1	Duplicate	07/21/23
BG31225-MS1	Matrix Spike	07/21/23
BG31225-MSD1	Matrix Spike Dup	07/21/23
BG31225-SRM1	Reference	07/21/23

**Batch ID:** BG31255      **Preparation Method:** EPA 3550C      **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/24/23
23G0971-03	RIB06_0-2	07/24/23
23G0971-04	RIB06_10-12	07/24/23
23G0971-04	RIB06_10-12	07/24/23
23G0971-05	RIB06_15-16	07/24/23
23G0971-05	RIB06_15-16	07/24/23
23G0971-07	RIB05_15-16	07/24/23
23G0971-07	RIB05_15-16	07/24/23
23G0971-08	RIB02_0-2	07/24/23
23G0971-08	RIB02_0-2	07/24/23
23G0971-09	RIB02_15.5-17.5	07/24/23
23G0971-09	RIB02_15.5-17.5	07/24/23
23G0971-10	RIB02_20-21	07/24/23
23G0971-10	RIB02_20-21	07/24/23
23G0971-11	RIB12_18-20	07/24/23
23G0971-11	RIB12_18-20	07/24/23
23G0971-12	RIB10_0-2	07/24/23
23G0971-12	RIB10_0-2	07/24/23
23G0971-13	RIB10_10-12	07/24/23
23G0971-13	RIB10_10-12	07/24/23
23G0971-14	RIB10_18-20	07/24/23
23G0971-14	RIB10_18-20	07/24/23
23G0971-15	RIDUP02_071823	07/24/23
23G0971-15	RIDUP02_071823	07/24/23
BG31255-BLK1	Blank	07/24/23
BG31255-BLK2	Blank	07/24/23
BG31255-BS1	LCS	07/24/23



BG31255-BS2	LCS	07/24/23
BG31255-MS1	Matrix Spike	07/24/23
BG31255-MS2	Matrix Spike	07/24/23
BG31255-MSD1	Matrix Spike Dup	07/24/23
BG31255-MSD2	Matrix Spike Dup	07/24/23

**Batch ID:** BG31265      **Preparation Method:** EPA 3550C      **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/24/23
23G0971-03RE1	RIB06_0-2	07/24/23
23G0971-04	RIB06_10-12	07/24/23
23G0971-05	RIB06_15-16	07/24/23
23G0971-07	RIB05_15-16	07/24/23
23G0971-08	RIB02_0-2	07/24/23
23G0971-08RE1	RIB02_0-2	07/24/23
23G0971-08RE2	RIB02_0-2	07/24/23
23G0971-09	RIB02_15.5-17.5	07/24/23
23G0971-10	RIB02_20-21	07/24/23
23G0971-11	RIB12_18-20	07/24/23
23G0971-12	RIB10_0-2	07/24/23
23G0971-13	RIB10_10-12	07/24/23
23G0971-14	RIB10_18-20	07/24/23
23G0971-15	RIDUP02_071823	07/24/23
BG31265-BLK1	Blank	07/24/23
BG31265-BS1	LCS	07/24/23
BG31265-MS1	Matrix Spike	07/24/23
BG31265-MSD1	Matrix Spike Dup	07/24/23

**Batch ID:** BG31280      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/24/23
BG31280-BLK1	Blank	07/24/23
BG31280-BLK2	Blank	07/24/23
BG31280-BS1	LCS	07/24/23
BG31280-BS2	LCS	07/24/23

**Batch ID:** BG31288      **Preparation Method:** EPA 8151A      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/24/23
BG31288-BLK1	Blank	07/24/23
BG31288-BS1	LCS	07/24/23
BG31288-BSD1	LCS Dup	07/24/23
BG31288-MS1	Matrix Spike	07/24/23
BG31288-MSD1	Matrix Spike Dup	07/24/23



**Batch ID:** BG31363

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/25/23
BG31363-BLK1	Blank	07/25/23
BG31363-BS1	LCS	07/25/23
BG31363-DUP1	Duplicate	07/25/23
BG31363-MS1	Matrix Spike	07/25/23
BG31363-MSD1	Matrix Spike Dup	07/25/23

**Batch ID:** BG31371

**Preparation Method:** EPA 3015A

**Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/25/23
BG31371-BLK1	Blank	07/25/23
BG31371-BS1	LCS	07/25/23
BG31371-DUP1	Duplicate	07/25/23
BG31371-MS1	Matrix Spike	07/25/23

**Batch ID:** BG31374

**Preparation Method:** EPA SW846-3060

**Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/25/23
23G0971-04	RIB06_10-12	07/25/23
23G0971-05	RIB06_15-16	07/25/23
23G0971-07	RIB05_15-16	07/25/23
23G0971-08	RIB02_0-2	07/25/23
23G0971-09	RIB02_15.5-17.5	07/25/23
23G0971-10	RIB02_20-21	07/25/23
23G0971-11	RIB12_18-20	07/25/23
23G0971-12	RIB10_0-2	07/25/23
23G0971-13	RIB10_10-12	07/25/23
23G0971-14	RIB10_18-20	07/25/23
BG31374-BLK1	Blank	07/25/23
BG31374-DUP1	Duplicate	07/25/23
BG31374-MS1	Matrix Spike	07/25/23
BG31374-MSD1	Matrix Spike Dup	07/25/23
BG31374-SRM1	Reference	07/25/23

**Batch ID:** BG31407

**Preparation Method:** EPA SW846-3060

**Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-15	RIDUP02_071823	07/25/23
BG31407-BLK1	Blank	07/25/23
BG31407-DUP1	Duplicate	07/25/23
BG31407-MS1	Matrix Spike	07/25/23
BG31407-MSD1	Matrix Spike Dup	07/25/23
BG31407-SRM1	Reference	07/25/23



**Batch ID:** BG31409

**Preparation Method:** EPA 3050B

**Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/25/23
23G0971-04	RIB06_10-12	07/25/23
23G0971-05	RIB06_15-16	07/25/23
23G0971-07	RIB05_15-16	07/25/23
23G0971-08	RIB02_0-2	07/25/23
23G0971-09	RIB02_15.5-17.5	07/25/23
23G0971-10	RIB02_20-21	07/25/23
23G0971-11	RIB12_18-20	07/25/23
23G0971-12	RIB10_0-2	07/25/23
23G0971-13	RIB10_10-12	07/25/23
23G0971-14	RIB10_18-20	07/25/23
23G0971-15	RIDUP02_071823	07/25/23
BG31409-BLK1	Blank	07/25/23
BG31409-DUP1	Duplicate	07/25/23
BG31409-MS1	Matrix Spike	07/25/23
BG31409-PS1	Post Spike	07/25/23
BG31409-SRM1	Reference	07/25/23

**Batch ID:** BG31431

**Preparation Method:** EPA 7473 soil

**Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/25/23
23G0971-04	RIB06_10-12	07/25/23
23G0971-05	RIB06_15-16	07/25/23
23G0971-07	RIB05_15-16	07/25/23
23G0971-08	RIB02_0-2	07/25/23
23G0971-09	RIB02_15.5-17.5	07/25/23
23G0971-10	RIB02_20-21	07/25/23
23G0971-11	RIB12_18-20	07/25/23
23G0971-12	RIB10_0-2	07/25/23
23G0971-13	RIB10_10-12	07/25/23
BG31431-BLK1	Blank	07/25/23
BG31431-DUP1	Duplicate	07/25/23
BG31431-MS1	Matrix Spike	07/25/23
BG31431-SRM1	Reference	07/25/23

**Batch ID:** BG31446

**Preparation Method:** Analysis Preparation

**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/26/23
23G0971-04	RIB06_10-12	07/26/23
23G0971-05	RIB06_15-16	07/26/23
23G0971-07	RIB05_15-16	07/26/23
23G0971-08	RIB02_0-2	07/26/23
23G0971-09	RIB02_15.5-17.5	07/26/23
23G0971-10	RIB02_20-21	07/26/23
23G0971-11	RIB12_18-20	07/26/23
23G0971-12	RIB10_0-2	07/26/23



23G0971-13	RIB10_10-12	07/26/23
23G0971-14	RIB10_18-20	07/26/23
23G0971-15	RIDUP02_071823	07/26/23

**Batch ID:** BG31467                      **Preparation Method:** Analysis Preparation                      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-01	RIFB02_071823	07/26/23

**Batch ID:** BG31480                      **Preparation Method:** EPA 7473 soil                      **Prepared By:** AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-14	RIB10_18-20	07/26/23
23G0971-15	RIDUP02_071823	07/26/23
BG31480-BLK1	Blank	07/26/23
BG31480-DUP1	Duplicate	07/26/23
BG31480-MS1	Matrix Spike	07/26/23
BG31480-SRM1	Reference	07/26/23

**Batch ID:** BG31512                      **Preparation Method:** EPA 3550C                      **Prepared By:** JES

YORK Sample ID	Client Sample ID	Preparation Date
23G0971-03	RIB06_0-2	07/27/23
23G0971-04	RIB06_10-12	07/27/23
23G0971-05	RIB06_15-16	07/27/23
23G0971-07	RIB05_15-16	07/27/23
23G0971-08	RIB02_0-2	07/27/23
23G0971-09	RIB02_15.5-17.5	07/27/23
23G0971-10	RIB02_20-21	07/27/23
23G0971-11	RIB12_18-20	07/27/23
23G0971-12	RIB10_0-2	07/27/23
23G0971-13	RIB10_10-12	07/27/23
23G0971-14	RIB10_18-20	07/27/23
23G0971-15	RIDUP02_071823	07/27/23
BG31512-BLK1	Blank	07/27/23
BG31512-BS1	LCS	07/27/23
BG31512-MS1	Matrix Spike	07/27/23
BG31512-MSD1	Matrix Spike Dup	07/27/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30851 - EPA 5035A**

Blank (BG30851-BLK1)	Blank	Prepared & Analyzed: 07/21/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30851 - EPA 5035A**

<b>Blank (BG30851-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/21/2023	
n-Butylbenzene	ND	0.0050	mg/kg wet										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<hr/>													
Surrogate: SURRE: 1,2-Dichloroethane-d4	51.7		ug/L	50.0		103	77-125						
Surrogate: SURRE: Toluene-d8	51.1		"	50.0		102	85-120						
Surrogate: SURRE: p-Bromofluorobenzene	48.1		"	50.0		96.1	76-130						

<b>LCS (BG30851-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/21/2023	
1,1,1,2-Tetrachloroethane	48.0		ug/L	50.0		96.0	75-129						
1,1,1-Trichloroethane	43.8		"	50.0		87.6	71-137						
1,1,2,2-Tetrachloroethane	46.7		"	50.0		93.4	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.9		"	50.0		79.8	58-146						
1,1,2-Trichloroethane	45.4		"	50.0		90.9	83-123						
1,1-Dichloroethane	41.4		"	50.0		82.8	75-130						
1,1-Dichloroethylene	40.5		"	50.0		81.1	64-137						
1,2,3-Trichlorobenzene	54.9		"	50.0		110	81-140						
1,2,3-Trichloropropane	48.1		"	50.0		96.2	81-126						
1,2,4-Trichlorobenzene	56.5		"	50.0		113	80-141						
1,2,4-Trimethylbenzene	47.0		"	50.0		94.0	84-125						
1,2-Dibromo-3-chloropropane	50.5		"	50.0		101	74-142						
1,2-Dibromoethane	47.8		"	50.0		95.7	86-123						
1,2-Dichlorobenzene	48.2		"	50.0		96.5	85-122						
1,2-Dichloroethane	43.3		"	50.0		86.7	71-133						
1,2-Dichloropropane	45.6		"	50.0		91.2	81-122						
1,3,5-Trimethylbenzene	47.4		"	50.0		94.9	82-126						
1,3-Dichlorobenzene	48.2		"	50.0		96.3	84-124						
1,4-Dichlorobenzene	48.8		"	50.0		97.6	84-124						
1,4-Dioxane	866		"	1050		82.5	10-228						
2-Butanone	48.2		"	50.0		96.4	58-147						
2-Hexanone	52.5		"	50.0		105	70-139						
4-Methyl-2-pentanone	50.1		"	50.0		100	72-132						
Acetone	35.7		"	50.0		71.3	36-155						
Acrolein	49.2		"	50.0		98.3	10-238						
Acrylonitrile	45.0		"	50.0		90.1	66-141						
Benzene	41.0		"	50.0		82.1	77-127						
Bromochloromethane	42.2		"	50.0		84.5	74-129						
Bromodichloromethane	45.3		"	50.0		90.5	81-124						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30851 - EPA 5035A</b>											
<b>LCS (BG30851-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/21/2023
Bromoform	58.5		ug/L	50.0		117	80-136				
Bromomethane	31.9		"	50.0		63.8	32-177				
Carbon disulfide	39.5		"	50.0		78.9	10-136				
Carbon tetrachloride	46.4		"	50.0		92.8	66-143				
Chlorobenzene	45.0		"	50.0		90.0	86-120				
Chloroethane	36.5		"	50.0		73.0	51-142				
Chloroform	41.6		"	50.0		83.2	76-131				
Chloromethane	40.7		"	50.0		81.3	49-132				
cis-1,2-Dichloroethylene	43.3		"	50.0		86.7	74-132				
cis-1,3-Dichloropropylene	46.2		"	50.0		92.4	81-129				
Cyclohexane	42.8		"	50.0		85.6	70-130				
Dibromochloromethane	52.1		"	50.0		104	10-200				
Dibromomethane	43.6		"	50.0		87.3	83-124				
Dichlorodifluoromethane	44.0		"	50.0		88.1	28-158				
Ethyl Benzene	45.2		"	50.0		90.5	84-125				
Hexachlorobutadiene	55.8		"	50.0		112	83-133				
Isopropylbenzene	45.6		"	50.0		91.1	81-127				
Methyl acetate	36.0		"	50.0		71.9	41-143				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.5	74-131				
Methylcyclohexane	42.8		"	50.0		85.7	70-130				
Methylene chloride	44.3		"	50.0		88.6	57-141				
n-Butylbenzene	44.9		"	50.0		89.8	80-130				
n-Propylbenzene	43.7		"	50.0		87.4	74-136				
o-Xylene	46.5		"	50.0		93.1	83-123				
p- & m- Xylenes	89.8		"	100		89.8	82-128				
p-Isopropyltoluene	47.2		"	50.0		94.5	85-125				
sec-Butylbenzene	44.8		"	50.0		89.7	83-125				
Styrene	46.5		"	50.0		93.0	86-126				
tert-Butyl alcohol (TBA)	179		"	250		71.5	70-130				
tert-Butylbenzene	45.6		"	50.0		91.3	80-127				
Tetrachloroethylene	38.3		"	50.0		76.6	80-129	Low Bias			
Toluene	44.4		"	50.0		88.8	85-121				
trans-1,2-Dichloroethylene	44.0		"	50.0		88.1	72-132				
trans-1,3-Dichloropropylene	49.9		"	50.0		99.9	78-132				
Trichloroethylene	44.4		"	50.0		88.9	84-123				
Trichlorofluoromethane	37.7		"	50.0		75.3	62-140				
Vinyl Chloride	39.1		"	50.0		78.2	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	52.3		"	50.0		105	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	50.6		"	50.0		101	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.2		"	50.0		100	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30851 - EPA 5035A</b>											
<b>LCS Dup (BG30851-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/21/2023		
1,1,1,2-Tetrachloroethane	48.8		ug/L	50.0		97.7	75-129		1.69	30	
1,1,1-Trichloroethane	44.4		"	50.0		88.8	71-137		1.36	30	
1,1,2,2-Tetrachloroethane	46.8		"	50.0		93.6	79-129		0.171	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.7		"	50.0		81.4	58-146		1.99	30	
1,1,2-Trichloroethane	45.8		"	50.0		91.6	83-123		0.767	30	
1,1-Dichloroethane	42.0		"	50.0		84.0	75-130		1.46	30	
1,1-Dichloroethylene	40.3		"	50.0		80.5	64-137		0.668	30	
1,2,3-Trichlorobenzene	55.8		"	50.0		112	81-140		1.70	30	
1,2,3-Trichloropropane	49.0		"	50.0		98.1	81-126		1.94	30	
1,2,4-Trichlorobenzene	55.8		"	50.0		112	80-141		1.16	30	
1,2,4-Trimethylbenzene	48.0		"	50.0		95.9	84-125		2.00	30	
1,2-Dibromo-3-chloropropane	50.8		"	50.0		102	74-142		0.434	30	
1,2-Dibromoethane	48.6		"	50.0		97.2	86-123		1.64	30	
1,2-Dichlorobenzene	49.4		"	50.0		98.8	85-122		2.36	30	
1,2-Dichloroethane	44.6		"	50.0		89.2	71-133		2.87	30	
1,2-Dichloropropane	46.5		"	50.0		93.1	81-122		2.08	30	
1,3,5-Trimethylbenzene	49.2		"	50.0		98.5	82-126		3.72	30	
1,3-Dichlorobenzene	48.9		"	50.0		97.7	84-124		1.46	30	
1,4-Dichlorobenzene	50.0		"	50.0		99.9	84-124		2.33	30	
1,4-Dioxane	903		"	1050		86.0	10-228		4.14	30	
2-Butanone	47.6		"	50.0		95.3	58-147		1.17	30	
2-Hexanone	52.8		"	50.0		106	70-139		0.494	30	
4-Methyl-2-pentanone	50.1		"	50.0		100	72-132		0.0199	30	
Acetone	36.6		"	50.0		73.1	36-155		2.47	30	
Acrolein	48.7		"	50.0		97.4	10-238		0.981	30	
Acrylonitrile	48.6		"	50.0		97.2	66-141		7.62	30	
Benzene	41.7		"	50.0		83.4	77-127		1.60	30	
Bromochloromethane	43.3		"	50.0		86.5	74-129		2.41	30	
Bromodichloromethane	45.7		"	50.0		91.3	81-124		0.880	30	
Bromoform	59.3		"	50.0		119	80-136		1.41	30	
Bromomethane	32.0		"	50.0		64.1	32-177		0.438	30	
Carbon disulfide	34.4		"	50.0		68.8	10-136		13.8	30	
Carbon tetrachloride	47.1		"	50.0		94.2	66-143		1.43	30	
Chlorobenzene	45.9		"	50.0		91.8	86-120		2.02	30	
Chloroethane	37.4		"	50.0		74.9	51-142		2.60	30	
Chloroform	41.8		"	50.0		83.7	76-131		0.599	30	
Chloromethane	40.3		"	50.0		80.6	49-132		0.914	30	
cis-1,2-Dichloroethylene	44.1		"	50.0		88.2	74-132		1.72	30	
cis-1,3-Dichloropropylene	47.0		"	50.0		94.0	81-129		1.74	30	
Cyclohexane	43.4		"	50.0		86.9	70-130		1.44	30	
Dibromochloromethane	52.4		"	50.0		105	10-200		0.612	30	
Dibromomethane	44.2		"	50.0		88.3	83-124		1.21	30	
Dichlorodifluoromethane	44.2		"	50.0		88.3	28-158		0.272	30	
Ethyl Benzene	46.5		"	50.0		93.0	84-125		2.70	30	
Hexachlorobutadiene	60.1		"	50.0		120	83-133		7.32	30	
Isopropylbenzene	46.6		"	50.0		93.3	81-127		2.32	30	
Methyl acetate	38.2		"	50.0		76.5	41-143		6.12	30	
Methyl tert-butyl ether (MTBE)	46.8		"	50.0		93.5	74-131		1.12	30	
Methylcyclohexane	43.9		"	50.0		87.8	70-130		2.40	30	
Methylene chloride	43.6		"	50.0		87.2	57-141		1.55	30	
n-Butylbenzene	46.0		"	50.0		92.1	80-130		2.48	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BG30851 - EPA 5035A</b>											
<b>LCS Dup (BG30851-bsd1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/21/2023									
n-Propylbenzene	44.6		ug/L	50.0		89.3	74-136			2.20	30
o-Xylene	48.0		"	50.0		95.9	83-123			3.01	30
p- & m- Xylenes	92.0		"	100		92.0	82-128			2.42	30
p-Isopropyltoluene	48.3		"	50.0		96.7	85-125			2.30	30
sec-Butylbenzene	45.9		"	50.0		91.7	83-125			2.23	30
Styrene	47.8		"	50.0		95.7	86-126			2.84	30
tert-Butyl alcohol (TBA)	197		"	250		78.8	70-130			9.75	30
tert-Butylbenzene	47.0		"	50.0		93.9	80-127			2.83	30
Tetrachloroethylene	39.4		"	50.0		78.7	80-129	Low Bias		2.68	30
Toluene	45.8		"	50.0		91.5	85-121			3.04	30
trans-1,2-Dichloroethylene	45.0		"	50.0		89.9	72-132			2.07	30
trans-1,3-Dichloropropylene	50.8		"	50.0		102	78-132			1.63	30
Trichloroethylene	45.2		"	50.0		90.3	84-123			1.65	30
Trichlorofluoromethane	36.5		"	50.0		73.1	62-140			3.07	30
Vinyl Chloride	39.6		"	50.0		79.2	52-130			1.25	30
Surrogate: SURR: 1,2-Dichloroethane-d4	52.1		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	51.2		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.7	76-130				

<b>Batch BG30854 - EPA 5035A</b>											
<b>Blank (BG30854-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30854 - EPA 5035A**

Blank (BG30854-BLK1)	Blank	Prepared & Analyzed: 07/24/2023									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	51.6	ug/L	50.0	103	77-125
Surrogate: SURRE: Toluene-d8	49.0	"	50.0	97.9	85-120
Surrogate: SURRE: p-Bromofluorobenzene	57.5	"	50.0	115	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30854 - EPA 5035A

LCS (BG30854-BS1)	LCS	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.3	75-129				
1,1,1-Trichloroethane	51.1		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6		"	50.0		105	58-146				
1,1,2-Trichloroethane	46.1		"	50.0		92.3	83-123				
1,1-Dichloroethane	47.1		"	50.0		94.3	75-130				
1,1-Dichloroethylene	53.2		"	50.0		106	64-137				
1,2,3-Trichlorobenzene	47.6		"	50.0		95.1	81-140				
1,2,3-Trichloropropane	46.4		"	50.0		92.9	81-126				
1,2,4-Trichlorobenzene	47.6		"	50.0		95.2	80-141				
1,2,4-Trimethylbenzene	47.4		"	50.0		94.7	84-125				
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	74-142				
1,2-Dibromoethane	48.0		"	50.0		95.9	86-123				
1,2-Dichlorobenzene	45.0		"	50.0		90.1	85-122				
1,2-Dichloroethane	49.9		"	50.0		99.7	71-133				
1,2-Dichloropropane	46.1		"	50.0		92.3	81-122				
1,3,5-Trimethylbenzene	47.9		"	50.0		95.7	82-126				
1,3-Dichlorobenzene	45.4		"	50.0		90.9	84-124				
1,4-Dichlorobenzene	46.1		"	50.0		92.3	84-124				
1,4-Dioxane	908		"	1050		86.5	10-228				
2-Butanone	53.7		"	50.0		107	58-147				
2-Hexanone	49.4		"	50.0		98.9	70-139				
4-Methyl-2-pentanone	38.0		"	50.0		76.0	72-132				
Acetone	40.3		"	50.0		80.7	36-155				
Acrolein	52.4		"	50.0		105	10-238				
Acrylonitrile	49.2		"	50.0		98.4	66-141				
Benzene	50.2		"	50.0		100	77-127				
Bromochloromethane	48.3		"	50.0		96.6	74-129				
Bromodichloromethane	46.3		"	50.0		92.5	81-124				
Bromoform	49.6		"	50.0		99.2	80-136				
Bromomethane	59.2		"	50.0		118	32-177				
Carbon disulfide	49.6		"	50.0		99.2	10-136				
Carbon tetrachloride	51.8		"	50.0		104	66-143				
Chlorobenzene	46.5		"	50.0		93.0	86-120				
Chloroethane	58.4		"	50.0		117	51-142				
Chloroform	48.3		"	50.0		96.6	76-131				
Chloromethane	47.1		"	50.0		94.3	49-132				
cis-1,2-Dichloroethylene	48.4		"	50.0		96.8	74-132				
cis-1,3-Dichloropropylene	48.4		"	50.0		96.8	81-129				
Cyclohexane	50.5		"	50.0		101	70-130				
Dibromochloromethane	48.6		"	50.0		97.3	10-200				
Dibromomethane	44.7		"	50.0		89.5	83-124				
Dichlorodifluoromethane	41.5		"	50.0		83.0	28-158				
Ethyl Benzene	48.2		"	50.0		96.4	84-125				
Hexachlorobutadiene	45.4		"	50.0		90.8	83-133				
Isopropylbenzene	45.6		"	50.0		91.2	81-127				
Methyl acetate	44.3		"	50.0		88.6	41-143				
Methyl tert-butyl ether (MTBE)	48.8		"	50.0		97.5	74-131				
Methylcyclohexane	45.6		"	50.0		91.1	70-130				
Methylene chloride	50.0		"	50.0		99.9	57-141				
n-Butylbenzene	48.0		"	50.0		96.0	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30854 - EPA 5035A</b>											
<b>LCS (BG30854-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/24/2023
n-Propylbenzene	44.9		ug/L	50.0		89.8	74-136				
o-Xylene	46.4		"	50.0		92.9	83-123				
p- & m- Xylenes	94.8		"	100		94.8	82-128				
p-Isopropyltoluene	47.3		"	50.0		94.6	85-125				
sec-Butylbenzene	45.2		"	50.0		90.4	83-125				
Styrene	46.2		"	50.0		92.5	86-126				
tert-Butyl alcohol (TBA)	266		"	250		107	70-130				
tert-Butylbenzene	39.3		"	50.0		78.6	80-127	Low Bias			
Tetrachloroethylene	37.4		"	50.0		74.7	80-129	Low Bias			
Toluene	47.4		"	50.0		94.9	85-121				
trans-1,2-Dichloroethylene	50.1		"	50.0		100	72-132				
trans-1,3-Dichloropropylene	51.8		"	50.0		104	78-132				
Trichloroethylene	45.3		"	50.0		90.5	84-123				
Trichlorofluoromethane	57.6		"	50.0		115	62-140				
Vinyl Chloride	51.4		"	50.0		103	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.1		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130				
<b>LCS Dup (BG30854-BSD1)</b>	<b>LCS Dup</b>										Prepared & Analyzed: 07/24/2023
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.9	75-129		1.61		30
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137		0.624		30
1,1,2,2-Tetrachloroethane	49.0		"	50.0		98.0	79-129		1.05		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.9		"	50.0		110	58-146		4.19		30
1,1,2-Trichloroethane	47.5		"	50.0		94.9	83-123		2.84		30
1,1-Dichloroethane	48.2		"	50.0		96.4	75-130		2.24		30
1,1-Dichloroethylene	56.1		"	50.0		112	64-137		5.14		30
1,2,3-Trichlorobenzene	47.6		"	50.0		95.1	81-140		0.00		30
1,2,3-Trichloropropane	46.7		"	50.0		93.5	81-126		0.665		30
1,2,4-Trichlorobenzene	47.6		"	50.0		95.2	80-141		0.0630		30
1,2,4-Trimethylbenzene	47.8		"	50.0		95.6	84-125		0.904		30
1,2-Dibromo-3-chloropropane	51.1		"	50.0		102	74-142		1.34		30
1,2-Dibromoethane	49.8		"	50.0		99.7	86-123		3.87		30
1,2-Dichlorobenzene	46.0		"	50.0		92.0	85-122		2.11		30
1,2-Dichloroethane	51.1		"	50.0		102	71-133		2.38		30
1,2-Dichloropropane	48.0		"	50.0		96.0	81-122		3.93		30
1,3,5-Trimethylbenzene	48.2		"	50.0		96.4	82-126		0.728		30
1,3-Dichlorobenzene	45.4		"	50.0		90.7	84-124		0.198		30
1,4-Dichlorobenzene	46.0		"	50.0		91.9	84-124		0.413		30
1,4-Dioxane	978		"	1050		93.1	10-228		7.36		30
2-Butanone	56.3		"	50.0		113	58-147		4.82		30
2-Hexanone	51.7		"	50.0		103	70-139		4.55		30
4-Methyl-2-pentanone	40.0		"	50.0		80.1	72-132		5.23		30
Acetone	45.0		"	50.0		90.0	36-155		10.9		30
Acrolein	55.3		"	50.0		111	10-238		5.29		30
Acrylonitrile	50.3		"	50.0		101	66-141		2.19		30
Benzene	50.9		"	50.0		102	77-127		1.33		30
Bromochloromethane	49.8		"	50.0		99.5	74-129		3.00		30
Bromodichloromethane	47.2		"	50.0		94.4	81-124		2.05		30
Bromoform	51.6		"	50.0		103	80-136		4.01		30
Bromomethane	60.5		"	50.0		121	32-177		2.17		30



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30854 - EPA 5035A</b>											
<b>LCS Dup (BG30854-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/24/2023		
Carbon disulfide	50.4		ug/L	50.0		101	10-136		1.58	30	
Carbon tetrachloride	53.0		"	50.0		106	66-143		2.41	30	
Chlorobenzene	47.8		"	50.0		95.5	86-120		2.63	30	
Chloroethane	58.3		"	50.0		117	51-142		0.0686	30	
Chloroform	49.2		"	50.0		98.5	76-131		1.91	30	
Chloromethane	46.5		"	50.0		93.0	49-132		1.32	30	
cis-1,2-Dichloroethylene	50.3		"	50.0		101	74-132		3.83	30	
cis-1,3-Dichloropropylene	49.6		"	50.0		99.2	81-129		2.41	30	
Cyclohexane	52.1		"	50.0		104	70-130		3.02	30	
Dibromochloromethane	50.0		"	50.0		99.9	10-200		2.66	30	
Dibromomethane	45.9		"	50.0		91.9	83-124		2.65	30	
Dichlorodifluoromethane	42.5		"	50.0		85.1	28-158		2.48	30	
Ethyl Benzene	49.3		"	50.0		98.7	84-125		2.36	30	
Hexachlorobutadiene	45.5		"	50.0		91.0	83-133		0.198	30	
Isopropylbenzene	45.6		"	50.0		91.1	81-127		0.0658	30	
Methyl acetate	46.9		"	50.0		93.7	41-143		5.62	30	
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		98.0	74-131		0.491	30	
Methylcyclohexane	46.5		"	50.0		92.9	70-130		1.93	30	
Methylene chloride	50.1		"	50.0		100	57-141		0.220	30	
n-Butylbenzene	47.4		"	50.0		94.7	80-130		1.38	30	
n-Propylbenzene	45.2		"	50.0		90.4	74-136		0.622	30	
o-Xylene	47.7		"	50.0		95.4	83-123		2.68	30	
p- & m- Xylenes	96.9		"	100		96.9	82-128		2.16	30	
p-Isopropyltoluene	47.6		"	50.0		95.2	85-125		0.717	30	
sec-Butylbenzene	45.6		"	50.0		91.2	83-125		0.903	30	
Styrene	47.6		"	50.0		95.2	86-126		2.83	30	
tert-Butyl alcohol (TBA)	297		"	250		119	70-130		10.9	30	
tert-Butylbenzene	39.0		"	50.0		78.1	80-127	Low Bias	0.638	30	
Tetrachloroethylene	38.2		"	50.0		76.4	80-129	Low Bias	2.30	30	
Toluene	48.2		"	50.0		96.3	85-121		1.55	30	
trans-1,2-Dichloroethylene	50.3		"	50.0		101	72-132		0.319	30	
trans-1,3-Dichloropropylene	52.7		"	50.0		105	78-132		1.68	30	
Trichloroethylene	45.9		"	50.0		91.8	84-123		1.43	30	
Trichlorofluoromethane	56.9		"	50.0		114	62-140		1.24	30	
Vinyl Chloride	51.2		"	50.0		102	52-130		0.409	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.9</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>76-130</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30856 - EPA 5035A**

**Blank (BG30856-BLK1)**

**Blank**

Prepared & Analyzed: 07/24/2023

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	0.0053	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30856 - EPA 5035A**

<b>Blank (BG30856-BLK1)</b>	<b>Blank</b>	<b>Prepared &amp; Analyzed: 07/24/2023</b>									
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.7</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>		<i>97.3</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>57.3</i>		<i>"</i>	<i>50.0</i>		<i>115</i>	<i>76-130</i>				

<b>LCS (BG30856-BS1)</b>	<b>LCS</b>	<b>Prepared &amp; Analyzed: 07/24/2023</b>									
1,1,1,2-Tetrachloroethane	47.2		ug/L	50.0		94.3	75-129				
1,1,1-Trichloroethane	49.4		"	50.0		98.9	71-137				
1,1,2,2-Tetrachloroethane	48.3		"	50.0		96.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.5		"	50.0		109	58-146				
1,1,2-Trichloroethane	47.2		"	50.0		94.4	83-123				
1,1-Dichloroethane	48.5		"	50.0		97.1	75-130				
1,1-Dichloroethylene	54.0		"	50.0		108	64-137				
1,2,3-Trichlorobenzene	45.9		"	50.0		91.8	81-140				
1,2,3-Trichloropropane	46.3		"	50.0		92.6	81-126				
1,2,4-Trichlorobenzene	44.5		"	50.0		89.0	80-141				
1,2,4-Trimethylbenzene	45.5		"	50.0		90.9	84-125				
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	74-142				
1,2-Dibromoethane	48.6		"	50.0		97.1	86-123				
1,2-Dichlorobenzene	44.2		"	50.0		88.4	85-122				
1,2-Dichloroethane	50.8		"	50.0		102	71-133				
1,2-Dichloropropane	46.6		"	50.0		93.3	81-122				
1,3,5-Trimethylbenzene	45.3		"	50.0		90.6	82-126				
1,3-Dichlorobenzene	43.3		"	50.0		86.5	84-124				
1,4-Dichlorobenzene	43.8		"	50.0		87.7	84-124				
1,4-Dioxane	929		"	1050		88.4	10-228				
2-Butanone	55.1		"	50.0		110	58-147				
2-Hexanone	49.5		"	50.0		99.0	70-139				
4-Methyl-2-pentanone	39.7		"	50.0		79.4	72-132				
Acetone	38.4		"	50.0		76.8	36-155				
Acrolein	50.7		"	50.0		101	10-238				
Acrylonitrile	51.3		"	50.0		103	66-141				
Benzene	51.2		"	50.0		102	77-127				
Bromochloromethane	50.7		"	50.0		101	74-129				
Bromodichloromethane	45.9		"	50.0		91.7	81-124				
Bromoform	48.9		"	50.0		97.8	80-136				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30856 - EPA 5035A</b>											
<b>LCS (BG30856-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/24/2023									
Bromomethane	55.2		ug/L	50.0		110	32-177				
Carbon disulfide	48.6		"	50.0		97.2	10-136				
Carbon tetrachloride	49.2		"	50.0		98.5	66-143				
Chlorobenzene	46.4		"	50.0		92.8	86-120				
Chloroethane	54.5		"	50.0		109	51-142				
Chloroform	48.6		"	50.0		97.3	76-131				
Chloromethane	43.6		"	50.0		87.1	49-132				
cis-1,2-Dichloroethylene	49.4		"	50.0		98.7	74-132				
cis-1,3-Dichloropropylene	45.0		"	50.0		90.0	81-129				
Cyclohexane	50.4		"	50.0		101	70-130				
Dibromochloromethane	48.0		"	50.0		96.1	10-200				
Dibromomethane	45.5		"	50.0		91.0	83-124				
Dichlorodifluoromethane	37.5		"	50.0		75.1	28-158				
Ethyl Benzene	47.3		"	50.0		94.6	84-125				
Hexachlorobutadiene	42.0		"	50.0		84.0	83-133				
Isopropylbenzene	43.2		"	50.0		86.4	81-127				
Methyl acetate	48.2		"	50.0		96.4	41-143				
Methyl tert-butyl ether (MTBE)	51.5		"	50.0		103	74-131				
Methylcyclohexane	43.9		"	50.0		87.7	70-130				
Methylene chloride	50.7		"	50.0		101	57-141				
n-Butylbenzene	43.5		"	50.0		87.0	80-130				
n-Propylbenzene	42.5		"	50.0		85.1	74-136				
o-Xylene	46.1		"	50.0		92.2	83-123				
p- & m- Xylenes	92.6		"	100		92.6	82-128				
p-Isopropyltoluene	44.6		"	50.0		89.2	85-125				
sec-Butylbenzene	42.8		"	50.0		85.6	83-125				
Styrene	46.2		"	50.0		92.3	86-126				
tert-Butyl alcohol (TBA)	300		"	250		120	70-130				
tert-Butylbenzene	37.3		"	50.0		74.5	80-127	Low Bias			
Tetrachloroethylene	36.6		"	50.0		73.2	80-129	Low Bias			
Toluene	46.8		"	50.0		93.5	85-121				
trans-1,2-Dichloroethylene	48.8		"	50.0		97.6	72-132				
trans-1,3-Dichloropropylene	46.7		"	50.0		93.4	78-132				
Trichloroethylene	44.5		"	50.0		89.0	84-123				
Trichlorofluoromethane	51.5		"	50.0		103	62-140				
Vinyl Chloride	48.7		"	50.0		97.4	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>47.4</i>		<i>"</i>	<i>50.0</i>		<i>94.9</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG30856 - EPA 5035A

Matrix Spike (BG30856-MS1) Matrix Spike \*Source sample: 23G0971-09 (RIB02\_15.5-17.5) Prepared: 07/24/2023 Analyzed: 07/25/2023

1,1,1,2-Tetrachloroethane	36.4		ug/L	50.0	0.00	72.7	15-161				
1,1,1-Trichloroethane	41.9		"	50.0	0.00	83.8	42-145				
1,1,2,2-Tetrachloroethane	37.7		"	50.0	0.00	75.4	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.5		"	50.0	0.00	95.0	11-160				
1,1,2-Trichloroethane	36.6		"	50.0	0.00	73.2	44-145				
1,1-Dichloroethane	42.2		"	50.0	0.00	84.3	46-142				
1,1-Dichloroethylene	47.4		"	50.0	0.00	94.9	30-153				
1,2,3-Trichlorobenzene	22.2		"	50.0	0.00	44.5	10-157				
1,2,3-Trichloropropane	36.7		"	50.0	0.00	73.5	38-155				
1,2,4-Trichlorobenzene	21.6		"	50.0	0.00	43.2	10-151				
1,2,4-Trimethylbenzene	33.1		"	50.0	0.00	66.3	10-170				
1,2-Dibromo-3-chloropropane	36.0		"	50.0	0.00	71.9	36-138				
1,2-Dibromoethane	35.4		"	50.0	0.00	70.8	40-142				
1,2-Dichlorobenzene	28.0		"	50.0	0.00	56.0	10-147				
1,2-Dichloroethane	42.6		"	50.0	0.00	85.1	48-133				
1,2-Dichloropropane	37.7		"	50.0	0.00	75.5	47-141				
1,3,5-Trimethylbenzene	33.7		"	50.0	0.00	67.4	10-150				
1,3-Dichlorobenzene	27.2		"	50.0	0.00	54.4	10-144				
1,4-Dichlorobenzene	27.0		"	50.0	0.00	54.0	10-160				
1,4-Dioxane	957		"	1050	0.00	91.1	10-191				
2-Butanone	51.4		"	50.0	10.6	81.6	10-189				
2-Hexanone	38.4		"	50.0	0.00	76.8	10-181				
4-Methyl-2-pentanone	31.7		"	50.0	0.00	63.3	10-166				
Acetone	58.5		"	50.0	101	NR	10-196	Low Bias			
Acrolein	14.4		"	50.0	0.00	28.9	10-192				
Acrylonitrile	39.7		"	50.0	0.00	79.3	13-161				
Benzene	43.0		"	50.0	0.00	85.9	43-139				
Bromochloromethane	40.6		"	50.0	0.00	81.2	38-145				
Bromodichloromethane	36.3		"	50.0	0.00	72.7	38-147				
Bromoform	34.4		"	50.0	0.00	68.8	29-156				
Bromomethane	46.9		"	50.0	0.00	93.8	10-166				
Carbon disulfide	32.9		"	50.0	0.00	65.8	10-131				
Carbon tetrachloride	39.4		"	50.0	0.00	78.8	35-145				
Chlorobenzene	33.6		"	50.0	0.00	67.1	21-154				
Chloroethane	51.1		"	50.0	0.00	102	15-160				
Chloroform	42.4		"	50.0	0.00	84.7	47-142				
Chloromethane	40.2		"	50.0	0.00	80.4	10-159				
cis-1,2-Dichloroethylene	38.1		"	50.0	0.00	76.3	42-144				
cis-1,3-Dichloropropylene	29.5		"	50.0	0.00	59.0	18-159				
Cyclohexane	43.5		"	50.0	0.00	87.1	70-130				
Dibromochloromethane	36.5		"	50.0	0.00	72.9	10-179				
Dibromomethane	34.2		"	50.0	0.00	68.5	47-143				
Dichlorodifluoromethane	31.6		"	50.0	0.00	63.1	10-145				
Ethyl Benzene	36.4		"	50.0	0.00	72.8	11-158				
Hexachlorobutadiene	23.0		"	50.0	0.00	45.9	10-158				
Isopropylbenzene	33.8		"	50.0	0.00	67.7	10-162				
Methyl acetate	49.5		"	50.0	1.70	95.6	10-149				
Methyl tert-butyl ether (MTBE)	40.6		"	50.0	0.00	81.3	42-152				
Methylcyclohexane	34.6		"	50.0	0.00	69.2	70-130	Low Bias			
Methylene chloride	41.0		"	50.0	0.00	81.9	28-151				
n-Butylbenzene	29.2		"	50.0	0.00	58.4	10-162				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30856 - EPA 5035A</b>												
<b>Matrix Spike (BG30856-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/24/2023 Analyzed: 07/25/2023					
n-Propylbenzene	32.0		ug/L	50.0	0.00	64.0	10-155					
o-Xylene	35.2		"	50.0	0.00	70.4	10-158					
p- & m- Xylenes	69.7		"	100	0.00	69.7	10-156					
p-Isopropyltoluene	32.3		"	50.0	0.00	64.7	10-147					
sec-Butylbenzene	31.3		"	50.0	0.00	62.6	10-157					
Styrene	30.7		"	50.0	0.00	61.4	13-171					
tert-Butyl alcohol (TBA)	241		"	250	0.00	96.5	34-179					
tert-Butylbenzene	28.5		"	50.0	0.00	57.0	10-160					
Tetrachloroethylene	28.5		"	50.0	0.00	56.9	30-167					
Toluene	36.9		"	50.0	0.00	73.8	21-160					
trans-1,2-Dichloroethylene	36.2		"	50.0	0.00	72.3	29-153					
trans-1,3-Dichloropropylene	27.3		"	50.0	0.00	54.6	18-155					
Trichloroethylene	35.2		"	50.0	0.00	70.4	24-169					
Trichlorofluoromethane	49.2		"	50.0	0.00	98.4	35-142					
Vinyl Chloride	41.2		"	50.0	0.00	82.3	12-160					
Surrogate: SURR: 1,2-Dichloroethane-d4	51.9		"	50.0		104	77-125					
Surrogate: SURR: Toluene-d8	47.0		"	50.0		94.1	85-120					
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130					
<b>Matrix Spike Dup (BG30856-1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/24/2023 Analyzed: 07/25/2023					
1,1,1,2-Tetrachloroethane	39.7		ug/L	50.0	0.00	79.4	15-161		8.78	33		
1,1,1-Trichloroethane	46.6		"	50.0	0.00	93.3	42-145		10.7	30		
1,1,2,2-Tetrachloroethane	41.5		"	50.0	0.00	82.9	16-167		9.47	56		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.2		"	50.0	0.00	96.3	11-160		1.38	31		
1,1,2-Trichloroethane	41.2		"	50.0	0.00	82.4	44-145		11.7	40		
1,1-Dichloroethane	46.2		"	50.0	0.00	92.5	46-142		9.23	36		
1,1-Dichloroethylene	46.8		"	50.0	0.00	93.5	30-153		1.42	31		
1,2,3-Trichlorobenzene	26.4		"	50.0	0.00	52.8	10-157		17.1	47		
1,2,3-Trichloropropane	40.3		"	50.0	0.00	80.5	38-155		9.19	48		
1,2,4-Trichlorobenzene	25.4		"	50.0	0.00	50.7	10-151		16.0	52		
1,2,4-Trimethylbenzene	35.8		"	50.0	0.00	71.7	10-170		7.83	242		
1,2-Dibromo-3-chloropropane	38.7		"	50.0	0.00	77.3	36-138		7.21	54		
1,2-Dibromoethane	36.4		"	50.0	0.00	72.7	40-142		2.62	39		
1,2-Dichlorobenzene	30.7		"	50.0	0.00	61.4	10-147		9.30	52		
1,2-Dichloroethane	44.7		"	50.0	0.00	89.3	48-133		4.79	32		
1,2-Dichloropropane	41.8		"	50.0	0.00	83.7	47-141		10.3	37		
1,3,5-Trimethylbenzene	35.8		"	50.0	0.00	71.6	10-150		6.16	62		
1,3-Dichlorobenzene	29.3		"	50.0	0.00	58.7	10-144		7.61	51		
1,4-Dichlorobenzene	28.6		"	50.0	0.00	57.2	10-160		5.68	52		
1,4-Dioxane	772		"	1050	0.00	73.5	10-191		21.4	196		
2-Butanone	56.0		"	50.0	10.6	90.7	10-189		8.50	67		
2-Hexanone	40.2		"	50.0	0.00	80.5	10-181		4.63	60		
4-Methyl-2-pentanone	34.3		"	50.0	0.00	68.5	10-166		7.89	47		
Acetone	58.5		"	50.0	101	NR	10-196	Low Bias	0.0171	150		
Acrolein	13.0		"	50.0	0.00	25.9	10-192		10.9	128		
Acrylonitrile	38.2		"	50.0	0.00	76.3	13-161		3.83	48		
Benzene	47.0		"	50.0	0.00	93.9	43-139		8.90	64		
Bromochloromethane	40.8		"	50.0	0.00	81.6	38-145		0.467	30		
Bromodichloromethane	39.0		"	50.0	0.00	78.1	38-147		7.19	37		
Bromoform	38.6		"	50.0	0.00	77.2	29-156		11.6	51		
Bromomethane	48.2		"	50.0	0.00	96.4	10-166		2.71	42		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30856 - EPA 5035A</b>											
<b>Matrix Spike Dup (BG30856-1 Matrix Spike Dup) Source sample: 23G0971-09 (RIB02_15.5-17.5)</b>						Prepared: 07/24/2023 Analyzed: 07/25/2023					
Carbon disulfide	32.2		ug/L	50.0	0.00	64.5	10-131		2.09	36	
Carbon tetrachloride	42.2		"	50.0	0.00	84.5	35-145		7.01	31	
Chlorobenzene	35.4		"	50.0	0.00	70.8	21-154		5.31	32	
Chloroethane	54.8		"	50.0	0.00	110	15-160		6.91	40	
Chloroform	46.2		"	50.0	0.00	92.4	47-142		8.67	29	
Chloromethane	41.5		"	50.0	0.00	83.0	10-159		3.16	31	
cis-1,2-Dichloroethylene	38.3		"	50.0	0.00	76.6	42-144		0.366	30	
cis-1,3-Dichloropropylene	30.7		"	50.0	0.00	61.3	18-159		3.89	39	
Cyclohexane	46.2		"	50.0	0.00	92.4	70-130		5.93	30	
Dibromochloromethane	39.4		"	50.0	0.00	78.7	10-179		7.60	41	
Dibromomethane	33.6		"	50.0	0.00	67.2	47-143		1.95	41	
Dichlorodifluoromethane	35.9		"	50.0	0.00	71.7	10-145		12.8	34	
Ethyl Benzene	39.2		"	50.0	0.00	78.5	11-158		7.54	42	
Hexachlorobutadiene	24.8		"	50.0	0.00	49.7	10-158		7.95	45	
Isopropylbenzene	36.5		"	50.0	0.00	73.1	10-162		7.62	57	
Methyl acetate	48.8		"	50.0	1.70	94.1	10-149		1.51	64	
Methyl tert-butyl ether (MTBE)	48.4		"	50.0	0.00	96.7	42-152		17.3	47	
Methylcyclohexane	36.0		"	50.0	0.00	72.1	70-130		4.08	30	
Methylene chloride	41.4		"	50.0	0.00	82.7	28-151		0.972	49	
n-Butylbenzene	30.9		"	50.0	0.00	61.8	10-162		5.65	96	
n-Propylbenzene	34.2		"	50.0	0.00	68.3	10-155		6.50	56	
o-Xylene	38.0		"	50.0	0.00	76.0	10-158		7.62	51	
p- & m- Xylenes	73.7		"	100	0.00	73.7	10-156		5.55	47	
p-Isopropyltoluene	33.9		"	50.0	0.00	67.7	10-147		4.59	60	
sec-Butylbenzene	33.1		"	50.0	0.00	66.2	10-157		5.56	56	
Styrene	32.5		"	50.0	0.00	64.9	13-171		5.51	39	
tert-Butyl alcohol (TBA)	251		"	250	0.00	100	34-179		3.74	35	
tert-Butylbenzene	30.3		"	50.0	0.00	60.6	10-160		6.23	79	
Tetrachloroethylene	29.9		"	50.0	0.00	59.8	30-167		4.93	33	
Toluene	39.1		"	50.0	0.00	78.2	21-160		5.82	50	
trans-1,2-Dichloroethylene	34.0		"	50.0	0.00	68.1	29-153		6.04	30	
trans-1,3-Dichloropropylene	27.8		"	50.0	0.00	55.6	18-155		1.78	30	
Trichloroethylene	35.6		"	50.0	0.00	71.3	24-169		1.19	30	
Trichlorofluoromethane	53.1		"	50.0	0.00	106	35-142		7.67	30	
Vinyl Chloride	41.3		"	50.0	0.00	82.7	12-160		0.461	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	47.4		"	50.0		94.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.7		"	50.0		101	76-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31153 - EPA 5030B**

Blank (BG31153-BLK1)	Blank	Prepared & Analyzed: 07/20/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31153 - EPA 5030B**

<b>Blank (BG31153-BLK1)</b>	<b>Blank</b>	<b>Prepared &amp; Analyzed: 07/20/2023</b>									
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.35</i>		<i>"</i>	<i>10.0</i>		<i>93.5</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.03</i>		<i>"</i>	<i>10.0</i>		<i>90.3</i>	<i>79-122</i>				

<b>LCS (BG31153-BS1)</b>	<b>LCS</b>	<b>Prepared &amp; Analyzed: 07/20/2023</b>									
1,1,1,2-Tetrachloroethane	9.92		ug/L	10.0		99.2	82-126				
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	9.36		"	10.0		93.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	54-165				
1,1,2-Trichloroethane	9.91		"	10.0		99.1	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	76-136	Low Bias			
1,2,3-Trichloropropane	9.03		"	10.0		90.3	77-128				
1,2,4-Trichlorobenzene	7.42		"	10.0		74.2	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.79		"	10.0		97.9	82-132				
1,2-Dibromo-3-chloropropane	8.15		"	10.0		81.5	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.88		"	10.0		98.8	80-131				
1,3-Dichlorobenzene	9.98		"	10.0		99.8	86-122				
1,4-Dichlorobenzene	9.77		"	10.0		97.7	85-124				
1,4-Dioxane	218		"	210		104	10-349				
2-Butanone	11.8		"	10.0		118	49-152				
2-Hexanone	7.63		"	10.0		76.3	51-146				
4-Methyl-2-pentanone	7.29		"	10.0		72.9	57-145				
Acetone	9.45		"	10.0		94.5	14-150				
Acrolein	9.34		"	10.0		93.4	10-153				
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	11.8		"	10.0		118	85-126				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	8.79		"	10.0		87.9	79-128				
Bromoform	9.52		"	10.0		95.2	78-133				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS (BG31153-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/20/2023									
Bromomethane	8.39		ug/L	10.0		83.9	43-168				
Carbon disulfide	12.1		"	10.0		121	68-146				
Carbon tetrachloride	11.0		"	10.0		110	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	10.7		"	10.0		107	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Cyclohexane	5.79		"	10.0		57.9	63-149	Low Bias			
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	9.49		"	10.0		94.9	72-134				
Dichlorodifluoromethane	13.1		"	10.0		131	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	7.33		"	10.0		73.3	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl acetate	10.2		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	11.4		"	10.0		114	72-143				
Methylene chloride	10.3		"	10.0		103	55-137				
n-Butylbenzene	9.32		"	10.0		93.2	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.1		"	10.0		101	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butyl alcohol (TBA)	30.1		"	50.0		60.1	25-162				
tert-Butylbenzene	8.81		"	10.0		88.1	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.47</i>		<i>"</i>	<i>10.0</i>		<i>94.7</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.11</i>		<i>"</i>	<i>10.0</i>		<i>91.1</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS Dup (BG31153-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/20/2023									
1,1,1,2-Tetrachloroethane	9.21		ug/L	10.0		92.1	82-126		7.42	30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	78-136		12.8	30	
1,1,2,2-Tetrachloroethane	9.14		"	10.0		91.4	76-129		2.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		13.7	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	82-123		2.87	30	
1,1-Dichloroethane	9.82		"	10.0		98.2	82-129		10.6	30	
1,1-Dichloroethylene	10.1		"	10.0		101	68-138		13.5	30	
1,2,3-Trichlorobenzene	6.98		"	10.0		69.8	76-136	Low Bias	6.38	30	
1,2,3-Trichloropropane	8.93		"	10.0		89.3	77-128		1.11	30	
1,2,4-Trichlorobenzene	6.83		"	10.0		68.3	76-137	Low Bias	8.28	30	
1,2,4-Trimethylbenzene	8.68		"	10.0		86.8	82-132		12.0	30	
1,2-Dibromo-3-chloropropane	7.58		"	10.0		75.8	45-147		7.25	30	
1,2-Dibromoethane	9.90		"	10.0		99.0	83-124		2.69	30	
1,2-Dichlorobenzene	8.74		"	10.0		87.4	79-123		10.8	30	
1,2-Dichloroethane	9.52		"	10.0		95.2	73-132		5.22	30	
1,2-Dichloropropane	9.75		"	10.0		97.5	78-126		6.64	30	
1,3,5-Trimethylbenzene	8.70		"	10.0		87.0	80-131		12.7	30	
1,3-Dichlorobenzene	8.93		"	10.0		89.3	86-122		11.1	30	
1,4-Dichlorobenzene	8.79		"	10.0		87.9	85-124		10.6	30	
1,4-Dioxane	229		"	210		109	10-349		5.06	30	
2-Butanone	11.7		"	10.0		117	49-152		1.19	30	
2-Hexanone	7.92		"	10.0		79.2	51-146		3.73	30	
4-Methyl-2-pentanone	7.84		"	10.0		78.4	57-145		7.27	30	
Acetone	8.98		"	10.0		89.8	14-150		5.10	30	
Acrolein	9.23		"	10.0		92.3	10-153		1.18	30	
Acrylonitrile	11.0		"	10.0		110	51-150		0.545	30	
Benzene	10.7		"	10.0		107	85-126		10.1	30	
Bromochloromethane	9.88		"	10.0		98.8	77-128		8.25	30	
Bromodichloromethane	8.12		"	10.0		81.2	79-128		7.92	30	
Bromoform	9.37		"	10.0		93.7	78-133		1.59	30	
Bromomethane	6.10		"	10.0		61.0	43-168		31.6	30	Non-dir.
Carbon disulfide	10.7		"	10.0		107	68-146		12.5	30	
Carbon tetrachloride	9.60		"	10.0		96.0	77-141		13.7	30	
Chlorobenzene	10.1		"	10.0		101	88-120		8.46	30	
Chloroethane	9.24		"	10.0		92.4	65-136		14.6	30	
Chloroform	9.61		"	10.0		96.1	82-128		9.70	30	
Chloromethane	8.39		"	10.0		83.9	43-155		19.1	30	
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129		11.2	30	
cis-1,3-Dichloropropylene	9.43		"	10.0		94.3	80-131		7.65	30	
Cyclohexane	5.04		"	10.0		50.4	63-149	Low Bias	13.9	30	
Dibromochloromethane	9.36		"	10.0		93.6	80-130		4.18	30	
Dibromomethane	9.07		"	10.0		90.7	72-134		4.53	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		16.4	30	
Ethyl Benzene	9.87		"	10.0		98.7	80-131		10.0	30	
Hexachlorobutadiene	6.75		"	10.0		67.5	67-146		8.24	30	
Isopropylbenzene	9.15		"	10.0		91.5	76-140		13.8	30	
Methyl acetate	10.2		"	10.0		102	51-139		0.784	30	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135		0.177	30	
Methylcyclohexane	10.1		"	10.0		101	72-143		11.7	30	
Methylene chloride	9.41		"	10.0		94.1	55-137		9.22	30	
n-Butylbenzene	8.22		"	10.0		82.2	79-132		12.5	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS Dup (BG31153-BSD1)</b>	<b>LCS Dup</b>						<b>Prepared &amp; Analyzed: 07/20/2023</b>				
n-Propylbenzene	8.70		ug/L	10.0		87.0	78-133		14.2	30	
o-Xylene	10.1		"	10.0		101	78-130		9.47	30	
p- & m- Xylenes	19.6		"	20.0		98.2	77-133		9.51	30	
p-Isopropyltoluene	8.79		"	10.0		87.9	81-136		13.1	30	
sec-Butylbenzene	8.79		"	10.0		87.9	79-137		14.0	30	
Styrene	10.2		"	10.0		102	67-132		7.96	30	
tert-Butyl alcohol (TBA)	31.6		"	50.0		63.3	25-162		5.15	30	
tert-Butylbenzene	7.72		"	10.0		77.2	77-138		13.2	30	
Tetrachloroethylene	9.64		"	10.0		96.4	82-131		11.5	30	
Toluene	9.53		"	10.0		95.3	80-127		9.97	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		11.7	30	
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	78-131		5.41	30	
Trichloroethylene	9.02		"	10.0		90.2	82-128		10.5	30	
Trichlorofluoromethane	8.81		"	10.0		88.1	67-139		16.7	30	
Vinyl Chloride	9.61		"	10.0		96.1	58-145		17.5	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.30</i>		<i>"</i>	<i>10.0</i>		<i>93.0</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.84</i>		<i>"</i>	<i>10.0</i>		<i>88.4</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31055 - EPA 3510C

Blank (BG31055-BLK1) Blank

Prepared: 07/19/2023 Analyzed: 07/20/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31055 - EPA 3510C

Blank (BG31055-BLK1) Blank Prepared: 07/19/2023 Analyzed: 07/20/2023

Surrogate: SURR: 2-Fluorophenol	18.4		ug/L	50.0		36.8	19.7-63.1				
Surrogate: SURR: Phenol-d6	8.81		"	50.0		17.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.1		"	25.0		92.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		71.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	53.6		"	50.0		107	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.2		"	25.0		84.7	30.7-106				

Blank (BG31055-BLK2) Blank Prepared: 07/19/2023 Analyzed: 07/20/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31055 - EPA 3510C</b>											
<b>LCS (BG31055-BS1)</b>	<b>LCS</b>	Prepared: 07/19/2023 Analyzed: 07/20/2023									
1,1-Biphenyl	10.3	5.00	ug/L	25.0		41.2	33-95				
1,2,4,5-Tetrachlorobenzene	18.9	5.00	"	25.0		75.7	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	13.2	5.00	"	25.0		52.6	16-141				
2,3,4,6-Tetrachlorophenol	14.9	5.00	"	25.0		59.6	30-130				
2,4,5-Trichlorophenol	14.0	5.00	"	25.0		55.8	32-114				
2,4,6-Trichlorophenol	16.6	5.00	"	25.0		66.2	35-118				
2,4-Dichlorophenol	16.1	5.00	"	25.0		64.5	25-116				
2,4-Dimethylphenol	11.2	5.00	"	25.0		44.7	15-116				
2,4-Dinitrophenol	30.8	5.00	"	25.0		123	10-170				
2,4-Dinitrotoluene	20.0	5.00	"	25.0		80.0	41-128				
2,6-Dinitrotoluene	18.8	5.00	"	25.0		75.2	45-116				
2-Chloronaphthalene	12.8	5.00	"	25.0		51.3	33-112				
2-Chlorophenol	12.6	5.00	"	25.0		50.6	15-120				
2-Methylnaphthalene	15.1	5.00	"	25.0		60.5	24-118				
2-Methylphenol	10.5	5.00	"	25.0		42.2	10-110				
2-Nitroaniline	15.3	5.00	"	25.0		61.3	34-129				
2-Nitrophenol	17.1	5.00	"	25.0		68.4	28-118				
3- & 4-Methylphenols	8.27	5.00	"	25.0		33.1	10-107				
3,3-Dichlorobenzidine	12.3	5.00	"	25.0		49.4	15-187				
3-Nitroaniline	13.7	5.00	"	25.0		54.9	24-134				
4,6-Dinitro-2-methylphenol	31.9	5.00	"	25.0		128	10-153				
4-Bromophenyl phenyl ether	15.2	5.00	"	25.0		60.9	34-120				
4-Chloro-3-methylphenol	17.0	5.00	"	25.0		67.9	20-120				
4-Chloroaniline	11.4	5.00	"	25.0		45.6	10-147				
4-Chlorophenyl phenyl ether	15.1	5.00	"	25.0		60.3	27-121				
4-Nitroaniline	14.0	5.00	"	25.0		55.9	13-134				
4-Nitrophenol	26.3	5.00	"	25.0		105	10-131				
Acetophenone	12.0	5.00	"	25.0		48.0	25-110				
Aniline	5.52	5.00	"	25.0		22.1	10-117				
Benzaldehyde	10.8	5.00	"	25.0		43.2	29-117				
Benzoic acid	3.85	5.00	"	25.0		15.4	30-130	Low Bias			
Benzyl alcohol	7.96	5.00	"	25.0		31.8	10-117				
Benzyl butyl phthalate	11.9	5.00	"	25.0		47.8	29-133				
Bis(2-chloroethoxy)methane	16.1	5.00	"	25.0		64.3	10-154				
Bis(2-chloroethyl)ether	14.2	5.00	"	25.0		56.8	17-125				
Bis(2-chloroisopropyl)ether	13.9	5.00	"	25.0		55.8	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	13.9	5.00	"	25.0		55.6	42-126				
Dibenzofuran	14.5	5.00	"	25.0		58.0	36-113				
Diethyl phthalate	15.1	5.00	"	25.0		60.5	38-115				
Dimethyl phthalate	15.4	5.00	"	25.0		61.8	38-129				
Di-n-butyl phthalate	12.8	5.00	"	25.0		51.3	31-120				
Di-n-octyl phthalate	12.3	5.00	"	25.0		49.0	21-149				
Diphenylamine	15.8	5.00	"	25.0		63.1	40-140				
Hexachlorocyclopentadiene	9.02	10.0	"	25.0		36.1	10-130				
Isophorone	16.7	5.00	"	25.0		66.7	25-127				
N-nitroso-di-n-propylamine	14.4	5.00	"	25.0		57.5	26-122				
N-Nitrosodiphenylamine	15.1	5.00	"	25.0		60.5	23-149				
Phenol	5.12	5.00	"	25.0		20.5	10-110				
Pyridine	ND	5.00	"	25.5			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	15.4		"	50.0		30.8	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31055 - EPA 3510C

LCS (BG31055-BS1) LCS Prepared: 07/19/2023 Analyzed: 07/20/2023

Surrogate: SURR: Phenol-d6	8.57		ug/L	50.0		17.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.4		"	25.0		73.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.0		"	25.0		60.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	47.3		"	50.0		94.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.1		"	25.0		68.6	30.7-106				

LCS (BG31055-BS2) LCS Prepared: 07/19/2023 Analyzed: 07/20/2023

Acenaphthene	1.08	0.0500	ug/L	1.00		108	25-116				
Acenaphthylene	1.23	0.0500	"	1.00		123	26-116	High Bias			
Anthracene	1.23	0.0500	"	1.00		123	25-123				
Benzo(a)anthracene	1.28	0.0500	"	1.00		128	33-125	High Bias			
Benzo(a)pyrene	1.23	0.0500	"	1.00		123	32-132				
Benzo(b)fluoranthene	1.30	0.0500	"	1.00		130	22-137				
Benzo(g,h,i)perylene	1.51	0.0500	"	1.00		151	10-138	High Bias			
Benzo(k)fluoranthene	1.23	0.0500	"	1.00		123	20-137				
Bis(2-ethylhexyl)phthalate	1.55	0.500	"	1.00		155	10-189				
Chrysene	1.19	0.0500	"	1.00		119	32-124				
Dibenzo(a,h)anthracene	1.53	0.0500	"	1.00		153	16-133	High Bias			
Fluoranthene	1.16	0.0500	"	1.00		116	32-121				
Fluorene	1.18	0.0500	"	1.00		118	28-118				
Hexachlorobenzene	1.49	0.0200	"	1.00		149	23-124	High Bias			
Hexachlorobutadiene	1.13	0.500	"	1.00		113	15-123				
Hexachloroethane	5.15	0.500	"	1.00		515	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.60	0.0500	"	1.00		160	15-135	High Bias			
Naphthalene	1.10	0.0500	"	1.00		110	18-120				
Nitrobenzene	1.38	0.250	"	1.00		138	21-121	High Bias			
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	2.47	0.250	"	1.00		247	10-156	High Bias			
Phenanthrene	1.16	0.0500	"	1.00		116	24-127				
Pyrene	1.17	0.0500	"	1.00		117	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31055 - EPA 3510C</b>											
<b>LCS Dup (BG31055-BSD1)</b>		<b>LCS Dup</b>		Prepared: 07/19/2023 Analyzed: 07/20/2023							
1,1-Biphenyl	12.7	5.00	ug/L	25.0		51.0	33-95		21.3	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	26.5	5.00	"	25.0		106	26-120		33.2	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	17.3	5.00	"	25.0		69.3	16-141		27.4	20	Non-dir.
2,3,4,6-Tetrachlorophenol	19.2	5.00	"	25.0		76.7	30-130		25.1	20	Non-dir.
2,4,5-Trichlorophenol	19.2	5.00	"	25.0		76.6	32-114		31.4	20	Non-dir.
2,4,6-Trichlorophenol	22.2	5.00	"	25.0		88.8	35-118		29.2	20	Non-dir.
2,4-Dichlorophenol	21.8	5.00	"	25.0		87.2	25-116		29.9	20	Non-dir.
2,4-Dimethylphenol	14.4	5.00	"	25.0		57.7	15-116		25.4	20	Non-dir.
2,4-Dinitrophenol	42.5	5.00	"	25.0		170	10-170		32.2	20	Non-dir.
2,4-Dinitrotoluene	26.5	5.00	"	25.0		106	41-128		28.0	20	Non-dir.
2,6-Dinitrotoluene	24.8	5.00	"	25.0		99.2	45-116		27.4	20	Non-dir.
2-Chloronaphthalene	17.8	5.00	"	25.0		71.3	33-112		32.7	20	Non-dir.
2-Chlorophenol	16.5	5.00	"	25.0		66.0	15-120		26.5	20	Non-dir.
2-Methylnaphthalene	20.5	5.00	"	25.0		81.8	24-118		30.0	20	Non-dir.
2-Methylphenol	14.2	5.00	"	25.0		56.7	10-110		29.4	20	Non-dir.
2-Nitroaniline	21.1	5.00	"	25.0		84.4	34-129		31.8	20	Non-dir.
2-Nitrophenol	24.0	5.00	"	25.0		96.1	28-118		33.8	20	Non-dir.
3- & 4-Methylphenols	11.2	5.00	"	25.0		44.6	10-107		29.7	20	Non-dir.
3,3-Dichlorobenzidine	15.0	5.00	"	25.0		60.1	15-187		19.7	20	
3-Nitroaniline	17.1	5.00	"	25.0		68.5	24-134		22.0	20	Non-dir.
4,6-Dinitro-2-methylphenol	42.6	5.00	"	25.0		170	10-153	High Bias	28.5	20	Non-dir.
4-Bromophenyl phenyl ether	19.9	5.00	"	25.0		79.6	34-120		26.7	20	Non-dir.
4-Chloro-3-methylphenol	22.1	5.00	"	25.0		88.3	20-120		26.1	20	Non-dir.
4-Chloroaniline	13.8	5.00	"	25.0		55.1	10-147		18.7	20	
4-Chlorophenyl phenyl ether	20.0	5.00	"	25.0		80.1	27-121		28.2	20	Non-dir.
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	33.4	5.00	"	25.0		134	10-131	High Bias	23.8	20	Non-dir.
Acetophenone	13.8	5.00	"	25.0		55.4	25-110		14.4	20	
Aniline	7.13	5.00	"	25.0		28.5	10-117		25.5	20	Non-dir.
Benzaldehyde	12.8	5.00	"	25.0		51.2	29-117		16.9	20	
Benzoic acid	4.77	5.00	"	25.0		19.1	30-130	Low Bias	21.3	20	Non-dir.
Benzyl alcohol	10.9	5.00	"	25.0		43.5	10-117		30.9	20	Non-dir.
Benzyl butyl phthalate	15.7	5.00	"	25.0		62.6	29-133		27.0	20	Non-dir.
Bis(2-chloroethoxy)methane	21.4	5.00	"	25.0		85.5	10-154		28.3	20	Non-dir.
Bis(2-chloroethyl)ether	18.9	5.00	"	25.0		75.6	17-125		28.5	20	Non-dir.
Bis(2-chloroisopropyl)ether	18.9	5.00	"	25.0		75.5	10-139		30.1	20	Non-dir.
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	18.3	5.00	"	25.0		73.4	42-126		27.5	20	Non-dir.
Dibenzofuran	19.1	5.00	"	25.0		76.3	36-113		27.2	20	Non-dir.
Diethyl phthalate	19.5	5.00	"	25.0		78.2	38-115		25.4	20	Non-dir.
Dimethyl phthalate	20.1	5.00	"	25.0		80.4	38-129		26.2	20	Non-dir.
Di-n-butyl phthalate	17.4	5.00	"	25.0		69.6	31-120		30.3	20	Non-dir.
Di-n-octyl phthalate	16.7	5.00	"	25.0		66.7	21-149		30.5	20	Non-dir.
Diphenylamine	20.8	5.00	"	25.0		83.1	40-140		27.4	20	Non-dir.
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.5	10-130		38.9	20	Non-dir.
Isophorone	22.0	5.00	"	25.0		87.9	25-127		27.4	20	Non-dir.
N-nitroso-di-n-propylamine	18.9	5.00	"	25.0		75.6	26-122		27.2	20	Non-dir.
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.6	23-149		29.6	20	Non-dir.
Phenol	7.00	5.00	"	25.0		28.0	10-110		31.0	20	Non-dir.
Pyridine	5.50	5.00	"	25.5		21.6	10-90		76.7	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	21.5		"	50.0		42.9	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31055 - EPA 3510C**

LCS Dup (BG31055-BSD1) LCS Dup

Prepared: 07/19/2023 Analyzed: 07/20/2023

Surrogate: SURR: Phenol-d6	11.6		ug/L	50.0		23.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	25.2		"	25.0		101	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.5		"	25.0		81.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	62.2		"	50.0		124	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.3		"	25.0		85.3	30.7-106				

**Batch BG31265 - EPA 3550C**

Blank (BG31265-BLK1) Blank

Prepared: 07/24/2023 Analyzed: 07/25/2023

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31265 - EPA 3550C

Blank (BG31265-BLK1) Blank

Prepared: 07/24/2023 Analyzed: 07/25/2023

Benzyl butyl phthalate	ND	0.0417	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.15		"	1.67		69.2	20-108				
Surrogate: SURR: Phenol-d6	1.04		"	1.67		62.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.547		"	0.833		65.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.535		"	0.833		64.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.37		"	1.67		82.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.572		"	0.833		68.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31265 - EPA 3550C</b>											
<b>LCS (BG31265-BS1)</b>	<b>LCS</b>	Prepared: 07/24/2023 Analyzed: 07/25/2023									
1,1-Biphenyl	0.404	0.0417	mg/kg wet	0.833		48.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.675	0.0833	"	0.833		81.0	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.539	0.0417	"	0.833		64.7	17-137				
2,3,4,6-Tetrachlorophenol	0.616	0.0833	"	0.833		73.9	30-130				
2,4,5-Trichlorophenol	0.597	0.0417	"	0.833		71.6	27-118				
2,4,6-Trichlorophenol	0.549	0.0417	"	0.833		65.9	31-120				
2,4-Dichlorophenol	0.561	0.0417	"	0.833		67.3	20-127				
2,4-Dimethylphenol	0.448	0.0417	"	0.833		53.8	14-132				
2,4-Dinitrophenol	0.705	0.0833	"	0.833		84.6	10-171				
2,4-Dinitrotoluene	0.608	0.0417	"	0.833		73.0	34-131				
2,6-Dinitrotoluene	0.584	0.0417	"	0.833		70.1	31-128				
2-Chloronaphthalene	0.504	0.0417	"	0.833		60.5	31-117				
2-Chlorophenol	0.507	0.0417	"	0.833		60.9	33-113				
2-Methylnaphthalene	0.531	0.0417	"	0.833		63.8	12-138				
2-Methylphenol	0.511	0.0417	"	0.833		61.3	10-136				
2-Nitroaniline	0.590	0.0833	"	0.833		70.8	27-132				
2-Nitrophenol	0.554	0.0417	"	0.833		66.5	17-129				
3- & 4-Methylphenols	0.450	0.0417	"	0.833		54.0	29-103				
3,3-Dichlorobenzidine	0.589	0.0417	"	0.833		70.6	22-149				
3-Nitroaniline	0.524	0.0833	"	0.833		62.9	20-133				
4,6-Dinitro-2-methylphenol	0.787	0.0833	"	0.833		94.4	10-143				
4-Bromophenyl phenyl ether	0.572	0.0417	"	0.833		68.6	29-120				
4-Chloro-3-methylphenol	0.597	0.0417	"	0.833		71.6	24-129				
4-Chloroaniline	0.423	0.0417	"	0.833		50.8	10-132				
4-Chlorophenyl phenyl ether	0.523	0.0417	"	0.833		62.7	27-124				
4-Nitroaniline	0.574	0.0833	"	0.833		68.9	16-128				
4-Nitrophenol	0.593	0.0833	"	0.833		71.1	10-141				
Acenaphthene	0.494	0.0417	"	0.833		59.3	30-121				
Acenaphthylene	0.500	0.0417	"	0.833		60.0	30-115				
Acetophenone	0.365	0.0417	"	0.833		43.8	20-112				
Aniline	0.363	0.167	"	0.833		43.5	10-119				
Anthracene	0.566	0.0417	"	0.833		67.9	34-118				
Atrazine	0.498	0.0417	"	0.833		59.8	26-112				
Benzaldehyde	0.370	0.0417	"	0.833		44.4	21-100				
Benzo(a)anthracene	0.594	0.0417	"	0.833		71.3	32-122				
Benzo(a)pyrene	0.633	0.0417	"	0.833		76.0	29-133				
Benzo(b)fluoranthene	0.608	0.0417	"	0.833		73.0	25-133				
Benzo(g,h,i)perylene	0.683	0.0417	"	0.833		82.0	10-143				
Benzo(k)fluoranthene	0.639	0.0417	"	0.833		76.7	25-128				
Benzoic acid	0.440	0.0417	"	0.833		52.8	10-140				
Benzyl alcohol	0.477	0.0417	"	0.833		57.2	30-115				
Benzyl butyl phthalate	0.533	0.0417	"	0.833		63.9	26-126				
Bis(2-chloroethoxy)methane	0.501	0.0417	"	0.833		60.1	19-132				
Bis(2-chloroethyl)ether	0.453	0.0417	"	0.833		54.3	19-125				
Bis(2-chloroisopropyl)ether	0.419	0.0417	"	0.833		50.2	20-135				
Bis(2-ethylhexyl)phthalate	0.564	0.0417	"	0.833		67.7	10-155				
Caprolactam	0.530	0.0833	"	0.833		63.6	10-127				
Carbazole	0.592	0.0417	"	0.833		71.0	35-123				
Chrysene	0.583	0.0417	"	0.833		70.0	32-123				
Dibenzo(a,h)anthracene	0.766	0.0417	"	0.833		91.9	10-136				
Dibenzofuran	0.525	0.0417	"	0.833		63.0	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31265 - EPA 3550C

LCS (BG31265-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Diethyl phthalate	0.556	0.0417	mg/kg wet	0.833		66.7	34-116				
Dimethyl phthalate	0.554	0.0417	"	0.833		66.5	35-124				
Di-n-butyl phthalate	0.577	0.0417	"	0.833		69.2	31-116				
Di-n-octyl phthalate	0.574	0.0417	"	0.833		68.9	26-136				
Diphenylamine	0.696	0.0833	"	0.833		83.5	40-140				
Fluoranthene	0.581	0.0417	"	0.833		69.7	33-122				
Fluorene	0.523	0.0417	"	0.833		62.8	29-123				
Hexachlorobenzene	0.567	0.0417	"	0.833		68.0	21-124				
Hexachlorobutadiene	0.522	0.0417	"	0.833		62.7	10-149				
Hexachlorocyclopentadiene	0.342	0.0417	"	0.833		41.0	10-129				
Hexachloroethane	0.451	0.0417	"	0.833		54.2	28-108				
Indeno(1,2,3-cd)pyrene	0.767	0.0417	"	0.833		92.0	10-135				
Isophorone	0.514	0.0417	"	0.833		61.7	20-132				
Naphthalene	0.498	0.0417	"	0.833		59.8	23-124				
Nitrobenzene	0.502	0.0417	"	0.833		60.3	13-132				
N-Nitrosodimethylamine	0.449	0.0417	"	0.833		53.9	11-129				
N-nitroso-di-n-propylamine	0.455	0.0417	"	0.833		54.6	24-119				
N-Nitrosodiphenylamine	0.675	0.0417	"	0.833		81.0	22-152				
Pentachlorophenol	0.629	0.0417	"	0.833		75.4	10-139				
Phenanthrene	0.560	0.0417	"	0.833		67.2	33-123				
Phenol	0.507	0.0417	"	0.833		60.9	23-115				
Pyrene	0.558	0.0417	"	0.833		67.0	24-130				
Pyridine	0.380	0.167	"	0.833		45.6	10-91				
Surrogate: SURR: 2-Fluorophenol	1.01		"	1.67		60.8	20-108				
Surrogate: SURR: Phenol-d6	0.961		"	1.67		57.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.496		"	0.833		59.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.497		"	0.833		59.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.42		"	1.67		85.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.570		"	0.833		68.4	24-116				



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

### York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31265 - EPA 3550C</b>												
<b>Matrix Spike (BG31265-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)						Prepared: 07/24/2023 Analyzed: 07/25/2023				
1,1-Biphenyl	0.476	0.0998	mg/kg dry	0.997	ND	47.7	10-130					
1,2,4,5-Tetrachlorobenzene	0.795	0.199	"	0.997	ND	79.7	10-133					
1,2-Diphenylhydrazine (as Azobenzene)	0.619	0.0998	"	0.997	ND	62.1	10-144					
2,3,4,6-Tetrachlorophenol	0.693	0.199	"	0.997	ND	69.5	30-130					
2,4,5-Trichlorophenol	0.705	0.0998	"	0.997	ND	70.6	10-127					
2,4,6-Trichlorophenol	0.631	0.0998	"	0.997	ND	63.3	10-132					
2,4-Dichlorophenol	0.656	0.0998	"	0.997	ND	65.8	10-128					
2,4-Dimethylphenol	0.547	0.0998	"	0.997	ND	54.9	10-137					
2,4-Dinitrophenol	0.577	0.199	"	0.997	ND	57.8	10-171					
2,4-Dinitrotoluene	0.716	0.0998	"	0.997	ND	71.8	16-135					
2,6-Dinitrotoluene	0.691	0.0998	"	0.997	ND	69.3	18-131					
2-Chloronaphthalene	0.613	0.0998	"	0.997	ND	61.4	10-129					
2-Chlorophenol	0.610	0.0998	"	0.997	ND	61.2	15-116					
2-Methylnaphthalene	0.649	0.0998	"	0.997	ND	65.0	10-147					
2-Methylphenol	0.624	0.0998	"	0.997	ND	62.6	10-136					
2-Nitroaniline	0.681	0.199	"	0.997	ND	68.2	10-137					
2-Nitrophenol	0.673	0.0998	"	0.997	ND	67.4	10-129					
3- & 4-Methylphenols	0.540	0.0998	"	0.997	ND	54.2	10-123					
3,3-Dichlorobenzidine	0.650	0.0998	"	0.997	ND	65.2	10-155					
3-Nitroaniline	0.633	0.199	"	0.997	ND	63.4	12-133					
4,6-Dinitro-2-methylphenol	0.784	0.199	"	0.997	ND	78.6	10-155					
4-Bromophenyl phenyl ether	0.669	0.0998	"	0.997	ND	67.1	14-128					
4-Chloro-3-methylphenol	0.716	0.0998	"	0.997	ND	71.8	10-134					
4-Chloroaniline	0.556	0.0998	"	0.997	ND	55.8	10-145					
4-Chlorophenyl phenyl ether	0.617	0.0998	"	0.997	ND	61.8	14-130					
4-Nitroaniline	0.657	0.199	"	0.997	ND	65.9	10-147					
4-Nitrophenol	0.698	0.199	"	0.997	ND	70.0	10-137					
Acenaphthene	0.634	0.0998	"	0.997	ND	63.5	10-146					
Acenaphthylene	0.611	0.0998	"	0.997	ND	61.3	10-134					
Acetophenone	0.446	0.0998	"	0.997	ND	44.7	10-116					
Aniline	0.448	0.400	"	0.997	ND	45.0	10-123					
Anthracene	0.708	0.0998	"	0.997	0.0692	64.0	10-142					
Atrazine	0.544	0.0998	"	0.997	ND	54.6	19-115					
Benzaldehyde	0.471	0.0998	"	0.997	ND	47.2	10-125					
Benzo(a)anthracene	0.812	0.0998	"	0.997	0.210	60.4	10-158					
Benzo(a)pyrene	0.881	0.0998	"	0.997	0.219	66.4	10-180					
Benzo(b)fluoranthene	0.870	0.0998	"	0.997	0.251	62.1	10-200					
Benzo(g,h,i)perylene	0.845	0.0998	"	0.997	0.101	74.6	10-138					
Benzo(k)fluoranthene	0.801	0.0998	"	0.997	0.0883	71.5	10-197					
Benzoic acid	0.218	0.0998	"	0.997	ND	21.8	10-166					
Benzyl alcohol	0.596	0.0998	"	0.997	ND	59.8	12-124					
Benzyl butyl phthalate	0.582	0.0998	"	0.997	ND	58.4	10-154					
Bis(2-chloroethoxy)methane	0.590	0.0998	"	0.997	ND	59.1	10-132					
Bis(2-chloroethyl)ether	0.556	0.0998	"	0.997	ND	55.8	10-119					
Bis(2-chloroisopropyl)ether	0.527	0.0998	"	0.997	ND	52.8	10-139					
Bis(2-ethylhexyl)phthalate	0.588	0.0998	"	0.997	ND	59.0	10-167					
Caprolactam	0.649	0.199	"	0.997	ND	65.0	10-132					
Carbazole	0.697	0.0998	"	0.997	ND	69.8	10-167					
Chrysene	0.796	0.0998	"	0.997	0.178	62.0	10-156					
Dibenzo(a,h)anthracene	0.886	0.0998	"	0.997	ND	88.9	10-137					
Dibenzofuran	0.634	0.0998	"	0.997	ND	63.5	10-147					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31265 - EPA 3550C

Matrix Spike (BG31265-MS1)	Matrix Spike	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/24/2023 Analyzed: 07/25/2023	
Diethyl phthalate	0.627	0.0998	mg/kg dry	0.997	ND	62.9	20-120	
Dimethyl phthalate	0.642	0.0998	"	0.997	ND	64.3	18-131	
Di-n-butyl phthalate	0.635	0.0998	"	0.997	ND	63.7	10-137	
Di-n-octyl phthalate	0.601	0.0998	"	0.997	ND	60.2	10-180	
Diphenylamine	0.771	0.199	"	0.997	ND	77.3	40-140	
Fluoranthene	0.954	0.0998	"	0.997	0.398	55.7	10-160	
Fluorene	0.642	0.0998	"	0.997	ND	64.4	10-157	
Hexachlorobenzene	0.665	0.0998	"	0.997	ND	66.6	10-137	
Hexachlorobutadiene	0.646	0.0998	"	0.997	ND	64.7	10-132	
Hexachlorocyclopentadiene	0.354	0.0998	"	0.997	ND	35.5	10-106	
Hexachloroethane	0.563	0.0998	"	0.997	ND	56.5	10-110	
Indeno(1,2,3-cd)pyrene	0.969	0.0998	"	0.997	0.123	84.8	10-144	
Isophorone	0.618	0.0998	"	0.997	ND	62.0	10-132	
Naphthalene	0.635	0.0998	"	0.997	ND	63.7	10-141	
Nitrobenzene	0.636	0.0998	"	0.997	ND	63.8	10-131	
N-Nitrosodimethylamine	0.595	0.0998	"	0.997	ND	59.7	10-126	
N-nitroso-di-n-propylamine	0.533	0.0998	"	0.997	ND	53.4	10-125	
N-Nitrosodiphenylamine	0.771	0.0998	"	0.997	ND	77.3	10-177	
Pentachlorophenol	0.669	0.0998	"	0.997	ND	67.0	10-153	
Phenanthrene	0.821	0.0998	"	0.997	0.227	59.6	10-148	
Phenol	0.614	0.0998	"	0.997	ND	61.6	10-126	
Pyrene	0.845	0.0998	"	0.997	0.318	52.8	10-165	
Pyridine	0.476	0.400	"	0.997	ND	47.8	10-83	
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.99		61.1	20-108	
Surrogate: SURR: Phenol-d6	1.13		"	1.99		56.6	23-114	
Surrogate: SURR: Nitrobenzene-d5	0.614		"	0.997		61.6	22-108	
Surrogate: SURR: 2-Fluorobiphenyl	0.575		"	0.997		57.7	21-113	
Surrogate: SURR: 2,4,6-Tribromophenol	1.55		"	1.99		77.8	19-110	
Surrogate: SURR: Terphenyl-d14	0.604		"	0.997		60.6	24-116	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31265 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31265-1) Matrix Spike Dup</b>						Source sample: 23G0971-09 (RIB02_15.5-17.5)					
						Prepared: 07/24/2023 Analyzed: 07/25/2023					
1,1-Biphenyl	0.589	0.0998	mg/kg dry	0.997	ND	59.0	10-130		21.3	30	
1,2,4,5-Tetrachlorobenzene	0.978	0.199	"	0.997	ND	98.1	10-133		20.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.740	0.0998	"	0.997	ND	74.2	10-144		17.8	30	
2,3,4,6-Tetrachlorophenol	0.828	0.199	"	0.997	ND	83.0	30-130		17.7	30	
2,4,5-Trichlorophenol	0.864	0.0998	"	0.997	ND	86.6	10-127		20.3	30	
2,4,6-Trichlorophenol	0.765	0.0998	"	0.997	ND	76.7	10-132		19.2	30	
2,4-Dichlorophenol	0.800	0.0998	"	0.997	ND	80.2	10-128		19.8	30	
2,4-Dimethylphenol	0.668	0.0998	"	0.997	ND	67.0	10-137		19.8	30	
2,4-Dinitrophenol	0.610	0.199	"	0.997	ND	61.2	10-171		5.65	30	
2,4-Dinitrotoluene	0.848	0.0998	"	0.997	ND	85.0	16-135		16.9	30	
2,6-Dinitrotoluene	0.826	0.0998	"	0.997	ND	82.8	18-131		17.8	30	
2-Chloronaphthalene	0.729	0.0998	"	0.997	ND	73.1	10-129		17.4	30	
2-Chlorophenol	0.734	0.0998	"	0.997	ND	73.6	15-116		18.4	30	
2-Methylnaphthalene	0.784	0.0998	"	0.997	ND	78.6	10-147		18.8	30	
2-Methylphenol	0.751	0.0998	"	0.997	ND	75.3	10-136		18.5	30	
2-Nitroaniline	0.820	0.199	"	0.997	ND	82.2	10-137		18.6	30	
2-Nitrophenol	0.806	0.0998	"	0.997	ND	80.8	10-129		18.0	30	
3- & 4-Methylphenols	0.656	0.0998	"	0.997	ND	65.8	10-123		19.3	30	
3,3-Dichlorobenzidine	0.766	0.0998	"	0.997	ND	76.8	10-155		16.3	30	
3-Nitroaniline	0.758	0.199	"	0.997	ND	76.0	12-133		18.0	30	
4,6-Dinitro-2-methylphenol	0.974	0.199	"	0.997	ND	97.7	10-155		21.6	30	
4-Bromophenyl phenyl ether	0.777	0.0998	"	0.997	ND	77.9	14-128		14.9	30	
4-Chloro-3-methylphenol	0.828	0.0998	"	0.997	ND	83.0	10-134		14.6	30	
4-Chloroaniline	0.668	0.0998	"	0.997	ND	67.0	10-145		18.3	30	
4-Chlorophenyl phenyl ether	0.749	0.0998	"	0.997	ND	75.1	14-130		19.4	30	
4-Nitroaniline	0.761	0.199	"	0.997	ND	76.3	10-147		14.6	30	
4-Nitrophenol	0.802	0.199	"	0.997	ND	80.4	10-137		13.8	30	
Acenaphthene	0.751	0.0998	"	0.997	ND	75.3	10-146		16.9	30	
Acenaphthylene	0.733	0.0998	"	0.997	ND	73.5	10-134		18.2	30	
Acetophenone	0.544	0.0998	"	0.997	ND	54.6	10-116		19.8	30	
Aniline	0.543	0.400	"	0.997	ND	54.5	10-123		19.1	30	
Anthracene	0.837	0.0998	"	0.997	0.0692	77.0	10-142		16.7	30	
Atrazine	0.650	0.0998	"	0.997	ND	65.2	19-115		17.8	30	
Benzaldehyde	0.555	0.0998	"	0.997	ND	55.7	10-125		16.5	30	
Benzo(a)anthracene	0.964	0.0998	"	0.997	0.210	75.6	10-158		17.1	30	
Benzo(a)pyrene	1.03	0.0998	"	0.997	0.219	81.3	10-180		15.5	30	
Benzo(b)fluoranthene	1.01	0.0998	"	0.997	0.251	76.6	10-200		15.3	30	
Benzo(g,h,i)perylene	1.02	0.0998	"	0.997	0.101	92.4	10-138		19.1	30	
Benzo(k)fluoranthene	0.961	0.0998	"	0.997	0.0883	87.5	10-197		18.2	30	
Benzoic acid	0.171	0.0998	"	0.997	ND	17.1	10-166		24.2	30	
Benzyl alcohol	0.698	0.0998	"	0.997	ND	70.0	12-124		15.8	30	
Benzyl butyl phthalate	0.701	0.0998	"	0.997	ND	70.3	10-154		18.5	30	
Bis(2-chloroethoxy)methane	0.732	0.0998	"	0.997	ND	73.4	10-132		21.5	30	
Bis(2-chloroethyl)ether	0.656	0.0998	"	0.997	ND	65.8	10-119		16.5	30	
Bis(2-chloroisopropyl)ether	0.622	0.0998	"	0.997	ND	62.3	10-139		16.5	30	
Bis(2-ethylhexyl)phthalate	0.720	0.0998	"	0.997	ND	72.2	10-167		20.1	30	
Caprolactam	0.724	0.199	"	0.997	ND	72.6	10-132		10.9	30	
Carbazole	0.806	0.0998	"	0.997	ND	80.8	10-167		14.6	30	
Chrysene	0.934	0.0998	"	0.997	0.178	75.7	10-156		15.9	30	
Dibenzo(a,h)anthracene	1.06	0.0998	"	0.997	ND	107	10-137		18.2	30	
Dibenzofuran	0.762	0.0998	"	0.997	ND	76.4	10-147		18.4	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31265 - EPA 3550C

Matrix Spike Dup (BG31265-1) Matrix Spike Dup Source sample: 23G0971-09 (RIB02\_15.5-17.5) Prepared: 07/24/2023 Analyzed: 07/25/2023

Diethyl phthalate	0.757	0.0998	mg/kg dry	0.997	ND	75.9	20-120		18.8	30	
Dimethyl phthalate	0.756	0.0998	"	0.997	ND	75.8	18-131		16.4	30	
Di-n-butyl phthalate	0.759	0.0998	"	0.997	ND	76.1	10-137		17.7	30	
Di-n-octyl phthalate	0.733	0.0998	"	0.997	ND	73.5	10-180		19.9	30	
Diphenylamine	0.935	0.199	"	0.997	ND	93.8	40-140		19.3	30	
Fluoranthene	1.10	0.0998	"	0.997	0.398	70.2	10-160		14.2	30	
Fluorene	0.755	0.0998	"	0.997	ND	75.7	10-157		16.1	30	
Hexachlorobenzene	0.800	0.0998	"	0.997	ND	80.2	10-137		18.5	30	
Hexachlorobutadiene	0.767	0.0998	"	0.997	ND	76.9	10-132		17.2	30	
Hexachlorocyclopentadiene	0.452	0.0998	"	0.997	ND	45.3	10-106		24.2	30	
Hexachloroethane	0.666	0.0998	"	0.997	ND	66.8	10-110		16.7	30	
Indeno(1,2,3-cd)pyrene	1.15	0.0998	"	0.997	0.123	103	10-144		17.2	30	
Isophorone	0.752	0.0998	"	0.997	ND	75.4	10-132		19.6	30	
Naphthalene	0.746	0.0998	"	0.997	ND	74.8	10-141		16.1	30	
Nitrobenzene	0.755	0.0998	"	0.997	ND	75.7	10-131		17.1	30	
N-Nitrosodimethylamine	0.667	0.0998	"	0.997	ND	66.9	10-126		11.4	30	
N-nitroso-di-n-propylamine	0.653	0.0998	"	0.997	ND	65.4	10-125		20.2	30	
N-Nitrosodiphenylamine	0.942	0.0998	"	0.997	ND	94.5	10-177		20.0	30	
Pentachlorophenol	0.831	0.0998	"	0.997	ND	83.4	10-153		21.7	30	
Phenanthrene	0.971	0.0998	"	0.997	0.227	74.6	10-148		16.7	30	
Phenol	0.739	0.0998	"	0.997	ND	74.1	10-126		18.4	30	
Pyrene	0.991	0.0998	"	0.997	0.318	67.5	10-165		15.9	30	
Pyridine	0.561	0.400	"	0.997	ND	56.2	10-83		16.3	30	
Surrogate: SURR: 2-Fluorophenol	1.45		"	1.99		72.7	20-108				
Surrogate: SURR: Phenol-d6	1.36		"	1.99		68.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.717		"	0.997		71.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.697		"	0.997		69.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.85		"	1.99		92.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.725		"	0.997		72.7	24-116				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30970 - EPA 3535A</b>												
<b>Blank (BG30970-BLK1)</b>	<b>Blank</b>										Prepared & Analyzed: 07/19/2023	
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.65		"	4.00		66.2	36.6-118					
<b>LCS (BG30970-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/19/2023	
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	4.00		80.0	36.6-118					
<b>Matrix Spike (BG30970-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0795-05 (Matrix Spike)										Prepared & Analyzed: 07/19/2023
1,4-Dioxane	10.1	0.300	ug/L	4.00	5.78	109	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.58		"	4.00		64.6	50-130					
<b>Matrix Spike Dup (BG30970-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0795-05 (Matrix Spike Dup)										Prepared & Analyzed: 07/19/2023
1,4-Dioxane	10.3	0.300	ug/L	4.00	5.78	114	50-130		2.03	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.49		"	4.00		62.2	50-130					
<b>Batch BG31512 - EPA 3550C</b>												
<b>Blank (BG31512-BLK1)</b>	<b>Blank</b>										Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	ND	19.8	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	340		"	495		68.7	39-127.5					
<b>LCS (BG31512-BS1)</b>	<b>LCS</b>										Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	378	19.8	ug/kg	495		76.4	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	364		"	495		73.6	39-127.5					
<b>Matrix Spike (BG31512-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)										Prepared: 07/27/2023 Analyzed: 07/28/2023
1,4-Dioxane	384	19.8	ug/kg	495	ND	77.6	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	372		"	495		75.2	40-130					



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag		
		Limit		Level	Result		Limits		Limit					
<b>Batch BG31512 - EPA 3550C</b>														
<b>Matrix Spike Dup (BG31512-1 Matrix Spike Dup)</b>										Source sample: 23G0971-09 (RIB02_15.5-17.5)			Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	380	19.8	ug/kg	495	ND	76.8	40-130		1.04		30			
Surrogate: 1,4-Dioxane-d8	309		"	495		62.5	40-130							



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31065 - EPA 1633 Prep</b>											
<b>Blank (BG31065-BLK1)</b>	<b>Blank</b>										Prepared: 07/19/2023 Analyzed: 07/26/2023
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.198	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.198	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.181	"								
Perfluorooctanoic acid (PFOA)	ND	0.198	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.184	"								
Perfluorononanoic acid (PFNA)	ND	0.198	"								
Perfluorodecanoic acid (PFDA)	ND	0.198	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.198	"								
Perfluorododecanoic acid (PFDoA)	ND	0.198	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.198	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.198	"								
N-MeFOSAA	ND	0.198	"								
N-EtFOSAA	ND	0.198	"								
Perfluoropentanoic acid (PFPeA)	ND	0.395	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.198	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.198	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.191	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.751	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.759	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.791	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.352	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.395	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.395	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.395	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.186	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.741	"								
HFPO-DA (Gen-X)	ND	0.791	"								
11CL-PF3OUdS	ND	0.747	"								
9CL-PF3ONS	ND	0.739	"								
ADONA	ND	0.747	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.192	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.190	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.988	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.94	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.94	"								
N-MeFOSE	ND	1.98	"								
N-MeFOSA	ND	0.198	"								
N-EtFOSE	ND	1.98	"								
N-EtFOSA	ND	0.198	"								
Surrogate: M3PFBS	2.24		"	2.30		97.3	25-150				
Surrogate: M5PFHxA	3.10		"	2.47		126	25-150				
Surrogate: M4PFHpA	1.91		"	2.47		77.4	25-150				
Surrogate: M3PFHxS	1.35		"	2.34		57.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.50		"	2.47		60.8	25-150				
Surrogate: M6PFDA	0.710		"	1.24		57.5	25-150				
Surrogate: M7PFUdA	0.839		"	1.24		67.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.539		"	1.24		43.6	25-150				
Surrogate: M2PFTeDA	0.321		"	1.24		26.0	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31065 - EPA 1633 Prep</b>											
<b>Blank (BG31065-BLK1) Blank</b>		Prepared: 07/19/2023 Analyzed: 07/26/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.4		ug/kg wet	9.88		126	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.980		"	2.37		41.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.40		"	4.94		130	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.939		"	2.47		38.0	10-150				
Surrogate: d3-N-MeFOSAA	2.30		"	4.94		46.6	25-150				
Surrogate: d5-N-EtFOSAA	2.29		"	4.94		46.4	25-150				
Surrogate: M2-6:2 FTS	5.83		"	4.70		124	25-200				
Surrogate: M2-8:2 FTS	3.27		"	4.74		69.0	25-200				
Surrogate: M9PFNA	0.698		"	1.24		56.5	25-150				
Surrogate: M2-4:2 FTS	7.00		"	4.63		151	25-150				
Surrogate: d-N-MeFOSA	0.759		"	2.47		30.7	25-150				
Surrogate: d-N-EtFOSA	0.873		"	2.47		35.3	25-150				
Surrogate: M3HFPO-DA	9.99		"	9.88		101	25-150				
Surrogate: d9-N-EtFOSE	4.66		"	24.7		18.8	25-150				
Surrogate: d7-N-MeFOSE	5.93		"	24.7		24.0	25-150				
<b>LCS (BG31065-BS1) LCS</b>		Prepared: 07/19/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	3.21	0.176	ug/kg wet	3.53		91.0	50-150				
Perfluorohexanoic acid (PFHxA)	3.69	0.199	"	3.98		92.5	50-150				
Perfluoroheptanoic acid (PFHpA)	3.63	0.199	"	3.98		91.2	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.34	0.182	"	3.65		91.7	50-150				
Perfluorooctanoic acid (PFOA)	3.70	0.199	"	3.98		92.8	50-150				
Perfluorooctanesulfonic acid (PFOS)	2.17	0.185	"	3.71		58.4	50-150				
Perfluorononanoic acid (PFNA)	2.49	0.199	"	3.98		62.5	50-150				
Perfluorodecanoic acid (PFDA)	3.95	0.199	"	3.98		99.2	50-150				
Perfluoroundecanoic acid (PFUnA)	4.60	0.199	"	3.98		116	50-150				
Perfluorododecanoic acid (PFDoA)	3.45	0.199	"	3.98		86.5	50-150				
Perfluorotridecanoic acid (PFTrDA)	5.08	0.199	"	3.98		127	50-150				
Perfluorotetradecanoic acid (PFTA)	3.48	0.199	"	3.98		87.3	50-150				
N-MeFOSAA	4.58	0.199	"	3.98		115	50-150				
N-EtFOSAA	3.29	0.199	"	3.98		82.7	50-150				
Perfluoropentanoic acid (PFPeA)	7.29	0.398	"	7.97		91.4	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	2.90	0.199	"	3.98		72.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.04	0.199	"	3.80		79.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.69	0.192	"	3.84		70.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	25.5	0.757	"	15.1		168	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	19.5	0.765	"	15.3		127	50-150				
Perfluoro-n-butanoic acid (PFBA)	14.1	0.797	"	15.9		88.6	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.88	0.355	"	7.09		97.0	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	6.37	0.398	"	7.97		79.9	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	8.23	0.398	"	7.97		103	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	6.73	0.398	"	7.97		84.5	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.54	0.187	"	3.75		121	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	13.6	0.747	"	14.9		90.9	50-150				
HFPO-DA (Gen-X)	5.71	0.797	"	7.97		71.7	50-150				
11CL-PF3OUdS	3.46	0.753	"	7.53		45.9	50-150	Low Bias			
9CL-PF3ONS	4.36	0.745	"	7.45		58.5	50-150				
ADONA	6.69	0.753	"	7.53		88.9	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31065 - EPA 1633 Prep

LCS (BG31065-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/26/2023									
Perfluorododecanesulfonic acid (PFDoS)	1.82	0.193	ug/kg wet	3.86		47.1	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	2.77	0.191	"	3.82		72.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	51.5	0.996	"	15.9		323	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	76.2	4.98	"	79.7		95.7	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	15.6	4.98	"	79.7		19.6	50-150	Low Bias			
N-MeFOSE	32.1	1.99	"	39.8		80.7	50-150				
N-MeFOSA	3.68	0.199	"	3.98		92.4	50-150				
N-EtFOSE	31.1	1.99	"	39.8		78.0	50-150				
N-EtFOSA	2.87	0.199	"	3.98		72.1	50-150				
Surrogate: M3PFBS	2.53		"	2.32		109	25-150				
Surrogate: M5PFHxA	2.85		"	2.49		114	25-150				
Surrogate: M4PFHpA	1.99		"	2.49		79.8	25-150				
Surrogate: M3PFHxS	1.78		"	2.36		75.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.77		"	2.49		71.0	25-150				
Surrogate: M6PFDA	1.08		"	1.25		87.1	25-150				
Surrogate: M7PFUdA	0.974		"	1.25		78.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.01		"	1.25		81.0	25-150				
Surrogate: M2PFTeDA	0.753		"	1.25		60.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	13.0		"	9.96		130	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.95		"	2.39		81.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.37		"	4.98		128	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.40		"	2.49		56.4	10-150				
Surrogate: d3-N-MeFOSAA	3.45		"	4.98		69.2	25-150				
Surrogate: d5-N-EtFOSAA	4.19		"	4.98		84.1	25-150				
Surrogate: M2-6:2 FTS	6.30		"	4.74		133	25-200				
Surrogate: M2-8:2 FTS	5.01		"	4.78		105	25-200				
Surrogate: M9PFNA	0.983		"	1.25		79.0	25-150				
Surrogate: M2-4:2 FTS	8.79		"	4.67		188	25-150				
Surrogate: d-N-MeFOSA	1.24		"	2.49		49.7	25-150				
Surrogate: d-N-EtFOSA	1.60		"	2.49		64.4	25-150				
Surrogate: M3HFPO-DA	9.85		"	9.96		98.9	25-150				
Surrogate: d9-N-EtFOSE	10.0		"	24.9		40.3	25-150				
Surrogate: d7-N-MeFOSE	12.4		"	24.9		49.7	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31065 - EPA 1633 Prep</b>											
<b>LCS (BG31065-BS2)</b>	<b>LCS</b>	Prepared: 07/19/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	0.597	0.176	ug/kg wet	0.705		84.6	50-150				
Perfluorohexanoic acid (PFHxA)	0.707	0.199	"	0.797		88.7	50-150				
Perfluoroheptanoic acid (PFHpA)	0.551	0.199	"	0.797		69.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.778	0.182	"	0.729		107	50-150				
Perfluorooctanoic acid (PFOA)	0.689	0.199	"	0.797		86.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.487	0.185	"	0.741		65.7	50-150				
Perfluorononanoic acid (PFNA)	0.675	0.199	"	0.797		84.7	50-150				
Perfluorodecanoic acid (PFDA)	0.751	0.199	"	0.797		94.3	50-150				
Perfluoroundecanoic acid (PFUnA)	0.941	0.199	"	0.797		118	50-150				
Perfluorododecanoic acid (PFDoA)	0.699	0.199	"	0.797		87.7	50-150				
Perfluorotridecanoic acid (PFTriDA)	1.19	0.199	"	0.797		150	50-150				
Perfluorotetradecanoic acid (PFTA)	0.625	0.199	"	0.797		78.5	50-150				
N-MeFOSAA	0.735	0.199	"	0.797		92.3	50-150				
N-EtFOSAA	0.371	0.199	"	0.797		46.6	50-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	1.39	0.398	"	1.59		87.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.558	0.199	"	0.797		70.0	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.737	0.199	"	0.761		96.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.424	0.192	"	0.769		55.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.78	0.757	"	3.03		125	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	2.45	0.765	"	3.06		80.0	50-150				
Perfluoro-n-butanoic acid (PFBA)	2.59	0.797	"	3.19		81.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.25	0.355	"	1.42		88.3	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.10	0.398	"	1.59		68.9	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.64	0.398	"	1.59		103	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.27	0.398	"	1.59		79.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.833	0.187	"	0.749		111	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	2.97	0.747	"	2.99		99.2	50-150				
HFPO-DA (Gen-X)	2.06	0.797	"	1.59		129	50-150				
11CL-PF3OUdS	0.758	0.753	"	1.51		50.4	50-150				
9CL-PF3ONS	0.836	0.745	"	1.49		56.1	50-150				
ADONA	1.23	0.753	"	1.51		81.7	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.467	0.193	"	0.773		60.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.738	0.191	"	0.765		96.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	6.90	0.996	"	3.19		217	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	12.8	4.98	"	15.9		80.6	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	3.55	4.98	"	15.9		22.3	50-150	Low Bias			
N-MeFOSE	5.75	1.99	"	7.97		72.2	50-150				
N-MeFOSA	1.00	0.199	"	0.797		126	50-150				
N-EtFOSE	5.58	1.99	"	7.97		70.0	50-150				
N-EtFOSA	ND	0.199	"	0.797			50-150	Low Bias			
Surrogate: M3PFBS	2.40		"	2.32		103	25-150				
Surrogate: M5PFHxA	2.72		"	2.49		109	25-150				
Surrogate: M4PFHpA	1.97		"	2.49		79.1	25-150				
Surrogate: M3PFHxS	1.73		"	2.36		73.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.67		"	2.49		67.1	25-150				
Surrogate: M6PFDA	0.848		"	1.25		68.1	25-150				
Surrogate: M7PFUdA	0.811		"	1.25		65.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.865		"	1.25		69.5	25-150				
Surrogate: M2PFTeDA	0.522		"	1.25		41.9	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31065 - EPA 1633 Prep

LCS (BG31065-BS2)	LCS	Prepared: 07/19/2023 Analyzed: 07/26/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	13.0		ug/kg wet	9.96		130	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.50		"	2.39		63.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.40		"	4.98		128	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.38		"	2.49		55.6	10-150				
Surrogate: d3-N-MeFOSAA	3.46		"	4.98		69.6	25-150				
Surrogate: d5-N-EtFOSAA	3.96		"	4.98		79.5	25-150				
Surrogate: M2-6:2 FTS	6.92		"	4.74		146	25-200				
Surrogate: M2-8:2 FTS	4.95		"	4.78		104	25-200				
Surrogate: M9PFNA	0.947		"	1.25		76.0	25-150				
Surrogate: M2-4:2 FTS	6.70		"	4.67		143	25-150				
Surrogate: d-N-MeFOSA	1.23		"	2.49		49.3	25-150				
Surrogate: d-N-EtFOSA	1.47		"	2.49		59.0	25-150				
Surrogate: M3HFPO-DA	9.17		"	9.96		92.0	25-150				
Surrogate: d9-N-EtFOSE	8.38		"	24.9		33.6	25-150				
Surrogate: d7-N-MeFOSE	10.8		"	24.9		43.4	25-150				

Duplicate (BG31065-DUP1)	Duplicate	*Source sample: 23G0971-09 (RIB02_15.5-17.5)									
Perfluorobutanesulfonic acid (PFBS)	ND	0.211	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	ND	0.239	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	0.239	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.219	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.239	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.222	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.239	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	0.239	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.239	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.239	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	0.239	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.239	"		ND						30
N-MeFOSAA	ND	0.239	"		ND						30
N-EtFOSAA	ND	0.239	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	0.478	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.239	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.239	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.231	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.908	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.917	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	0.956	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.425	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.478	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.478	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.478	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.225	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.896	"		ND						30
HFPO-DA (Gen-X)	ND	0.956	"		ND						30
11CL-PF3OUdS	ND	0.903	"		ND						30
9CL-PF3ONS	ND	0.893	"		ND						30
ADONA	ND	0.903	"		ND						30



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31065 - EPA 1633 Prep**

Duplicate (BG31065-DUP1)	Duplicate	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/19/2023 Analyzed: 07/26/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	0.232	ug/kg dry	ND	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.229	"	ND	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.19	"	ND	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.97	"	ND	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.97	"	ND	ND			30
N-MeFOSE	ND	2.39	"	ND	ND			30
N-MeFOSA	ND	0.239	"	ND	ND			30
N-EtFOSE	ND	2.39	"	ND	ND			30
N-EtFOSA	ND	0.239	"	ND	ND			30
Surrogate: M3PFBS	3.38		"	2.78		121	25-150	
Surrogate: M5PFHxA	4.09		"	2.99		137	25-150	
Surrogate: M4PFHpA	3.63		"	2.99		122	25-150	
Surrogate: M3PFHxS	3.01		"	2.83		106	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.30		"	2.99		110	25-150	
Surrogate: M6PFDA	1.21		"	1.49		80.9	25-150	
Surrogate: M7PFUdA	1.06		"	1.49		71.0	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.825		"	1.49		55.2	25-150	
Surrogate: M2PFTeDA	0.641		"	1.49		43.0	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	15.5		"	11.9		130	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.89		"	2.86		66.1	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.03		"	5.97		134	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.00		"	2.99		66.8	10-150	
Surrogate: d3-N-MeFOSAA	4.31		"	5.97		72.1	25-150	
Surrogate: d5-N-EtFOSAA	4.77		"	5.97		79.8	25-150	
Surrogate: M2-6:2 FTS	10.4		"	5.68		184	25-200	
Surrogate: M2-8:2 FTS	6.12		"	5.73		107	25-200	
Surrogate: M9PFNA	1.95		"	1.49		131	25-150	
Surrogate: M2-4:2 FTS	10.3		"	5.60		184	25-150	
Surrogate: d-N-MeFOSA	1.78		"	2.99		59.6	25-150	
Surrogate: d-N-EtFOSA	1.11		"	2.99		37.0	25-150	
Surrogate: M3HFPO-DA	14.3		"	11.9		120	25-150	
Surrogate: d9-N-EtFOSE	8.64		"	29.9		28.9	25-150	
Surrogate: d7-N-MeFOSE	11.2		"	29.9		37.7	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>Blank (BG31210-BLK1)</b>	<b>Blank</b>										Prepared: 07/21/2023 Analyzed: 07/24/2023
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
<i>Surrogate: M3PFBS</i>	59.2		"	46.6		127	25-150				
<i>Surrogate: M5PFHxA</i>	75.2		"	50.0		150	25-150				
<i>Surrogate: M4PFHpA</i>	40.9		"	50.0		81.9	25-150				
<i>Surrogate: M3PFHxS</i>	54.6		"	47.4		115	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	67.1		"	50.0		134	25-150				
<i>Surrogate: M6PFDA</i>	29.7		"	25.0		119	25-150				
<i>Surrogate: M7PFUdA</i>	31.4		"	25.0		126	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	36.2		"	25.0		145	25-150				
<i>Surrogate: M2PFTeDA</i>	26.8		"	25.0		107	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>Blank (BG31210-BLK1) Blank</b>		Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	244		ng/L	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	74.9		"	47.9		156	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	139		"	100		139	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	69.4		"	50.0		139	10-150				
Surrogate: d3-N-MeFOSAA	184		"	100		184	25-150				
Surrogate: d5-N-EtFOSAA	236		"	100		236	25-150				
Surrogate: M2-6:2 FTS	632		"	95.1		665	25-200				
Surrogate: M2-8:2 FTS	188		"	96.0		196	25-200				
Surrogate: M9PFNA	28.5		"	25.0		114	25-150				
Surrogate: M2-4:2 FTS	347		"	93.8		370	25-150				
Surrogate: d-N-MeFOSA	49.7		"	50.0		99.5	25-150				
Surrogate: d-N-EtFOSA	42.9		"	50.0		85.9	25-150				
Surrogate: M3HFPO-DA	208		"	200		104	25-150				
Surrogate: d9-N-EtFOSE	478		"	500		95.7	25-150				
Surrogate: d7-N-MeFOSE	539		"	500		108	25-150				
<b>LCS (BG31210-BS1) LCS</b>		Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorobutanesulfonic acid (PFBS)	119	3.54	ng/L	70.8		168	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	130	4.00	"	80.0		163	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	125	4.00	"	80.0		156	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	108	3.66	"	73.2		148	50-150				
Perfluorooctanoic acid (PFOA)	105	4.00	"	80.0		131	50-150				
Perfluorooctanesulfonic acid (PFOS)	114	3.72	"	74.4		153	50-150	High Bias			
Perfluorononanoic acid (PFNA)	78.5	4.00	"	80.0		98.2	50-150				
Perfluorodecanoic acid (PFDA)	134	4.00	"	80.0		167	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	133	4.00	"	80.0		167	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	128	4.00	"	80.0		160	50-150	High Bias			
Perfluorotridecanoic acid (PFTrDA)	126	4.00	"	80.0		157	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	111	4.00	"	80.0		139	50-150				
N-MeFOSAA	139	4.00	"	80.0		174	50-150	High Bias			
N-EtFOSAA	122	4.00	"	80.0		153	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	254	8.00	"	160		159	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	155	4.00	"	80.0		194	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	126	3.82	"	76.4		165	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	103	3.86	"	77.2		133	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	639	15.2	"	304		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	671	15.4	"	307		218	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	499	16.0	"	320		156	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	217	7.12	"	142		152	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	202	8.00	"	160		126	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	261	8.00	"	160		163	50-150	High Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	240	8.00	"	160		150	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	126	3.76	"	75.2		168	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	519	15.0	"	300		173	50-150	High Bias			
HFPO-DA (Gen-X)	274	16.0	"	160		172	50-150	High Bias			
11CL-PF3OUdS	215	15.1	"	151		142	50-150				
9CL-PF3ONS	221	15.0	"	150		148	50-150				
ADONA	304	15.1	"	151		201	50-150	High Bias			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31210 - EPA 1633 Prep</b>											
<b>LCS (BG31210-BS1)</b>	<b>LCS</b>										Prepared: 07/21/2023 Analyzed: 07/24/2023
Perfluorododecanesulfonic acid (PFDoS)	100	3.88	ng/L	77.6		129	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	117	3.84	"	76.8		152	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2340	10.0	"	320		732	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	3030	50.0	"	1600		190	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	596	50.0	"	1600		37.3	50-150	Low Bias			
N-MeFOSE	1150	40.0	"	800		143	50-150				
N-MeFOSA	127	4.00	"	80.0		159	50-150	High Bias			
N-EtFOSE	1260	40.0	"	800		157	50-150	High Bias			
N-EtFOSA	118	4.00	"	80.0		148	50-150				
Surrogate: M3PFBS	55.9		"	46.6		120	25-150				
Surrogate: M5PFHxA	77.2		"	50.0		154	25-150				
Surrogate: M4PFHpA	56.5		"	50.0		113	25-150				
Surrogate: M3PFHxS	61.0		"	47.4		129	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.5		"	50.0		127	25-150				
Surrogate: M6PFDA	26.0		"	25.0		104	25-150				
Surrogate: M7PFUdA	27.9		"	25.0		112	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.8		"	25.0		107	25-150				
Surrogate: M2PFTeDA	25.1		"	25.0		101	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	243		"	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	65.1		"	47.9		136	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	56.0		"	50.0		112	10-150				
Surrogate: d3-N-MeFOSAA	153		"	100		153	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	245		"	95.1		258	25-200				
Surrogate: M2-8:2 FTS	172		"	96.0		179	25-200				
Surrogate: M9PFNA	36.3		"	25.0		145	25-150				
Surrogate: M2-4:2 FTS	216		"	93.8		230	25-150				
Surrogate: d-N-MeFOSA	49.5		"	50.0		99.1	25-150				
Surrogate: d-N-EtFOSA	45.5		"	50.0		91.0	25-150				
Surrogate: M3HFPO-DA	238		"	200		119	25-150				
Surrogate: d9-N-EtFOSE	428		"	500		85.7	25-150				
Surrogate: d7-N-MeFOSE	491		"	500		98.2	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31210 - EPA 1633 Prep</b>												
<b>LCS (BG31210-BS2)</b>	<b>LCS</b>						Prepared: 07/21/2023 Analyzed: 07/24/2023					
Perfluorobutanesulfonic acid (PFBS)	15.1	3.54	ng/L	14.2		107	50-150					
Perfluorohexanoic acid (PFHxA)	15.1	4.00	"	16.0		94.3	50-150					
Perfluoroheptanoic acid (PFHpA)	15.1	4.00	"	16.0		94.5	50-150					
Perfluorohexanesulfonic acid (PFHxS)	16.6	3.66	"	14.6		113	50-150					
Perfluorooctanoic acid (PFOA)	14.0	4.00	"	16.0		87.4	50-150					
Perfluorooctanesulfonic acid (PFOS)	11.5	3.72	"	14.9		77.2	50-150					
Perfluorononanoic acid (PFNA)	15.2	4.00	"	16.0		95.2	50-150					
Perfluorodecanoic acid (PFDA)	19.8	4.00	"	16.0		123	50-150					
Perfluoroundecanoic acid (PFUnA)	18.2	4.00	"	16.0		114	50-150					
Perfluorododecanoic acid (PFDoA)	16.9	4.00	"	16.0		105	50-150					
Perfluorotridecanoic acid (PFTriDA)	17.6	4.00	"	16.0		110	50-150					
Perfluorotetradecanoic acid (PFTA)	15.0	4.00	"	16.0		93.9	50-150					
N-MeFOSAA	22.1	4.00	"	16.0		138	50-150					
N-EtFOSAA	12.8	4.00	"	16.0		79.9	50-150					
Perfluoropentanoic acid (PFPeA)	32.6	8.00	"	32.0		102	50-150					
Perfluoro-1-octanesulfonamide (FOSA)	15.0	4.00	"	16.0		93.5	50-150					
Perfluoro-1-heptanesulfonic acid (PFHpS)	17.9	3.82	"	15.3		117	50-150					
Perfluoro-1-decanesulfonic acid (PFDS)	12.5	3.86	"	15.4		81.0	50-150					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	81.6	15.2	"	60.8		134	50-150					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	101	15.4	"	61.4		164	50-150	High Bias				
Perfluoro-n-butanoic acid (PFBA)	60.6	16.0	"	64.0		94.7	50-150					
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.4	7.12	"	28.5		92.7	50-150					
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	22.4	8.00	"	32.0		70.2	50-150					
Perfluoro-4-oxapentanoic acid (PFMPA)	32.5	8.00	"	32.0		102	50-150					
Perfluoro-5-oxahexanoic acid (PFMBA)	30.8	8.00	"	32.0		96.1	50-150					
Perfluoro-1-pentanesulfonate (PFPeS)	17.7	3.76	"	15.0		118	50-150					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	67.2	15.0	"	60.0		112	50-150					
HFPO-DA (Gen-X)	15.4	16.0	"	32.0		48.1	50-150	Low Bias				
11CL-PF3OUdS	25.1	15.1	"	30.2		83.1	50-150					
9CL-PF3ONS	26.3	15.0	"	29.9		88.0	50-150					
ADONA	37.6	15.1	"	30.2		124	50-150					
Perfluorododecanesulfonic acid (PFDoS)	7.58	3.88	"	15.5		48.9	50-150	Low Bias				
Perfluoro-1-nonanesulfonic acid (PFNS)	16.3	3.84	"	15.4		106	50-150					
3-Perfluoropropyl propanoic acid (FPrPA)	303	10.0	"	64.0		474	50-150	High Bias				
3-Perfluoropentyl propanoic acid (FPePA)	365	50.0	"	320		114	50-150					
3-Perfluoroheptyl propanoic acid (FHpPA)	82.2	50.0	"	320		25.7	50-150	Low Bias				
N-MeFOSE	150	40.0	"	160		93.5	50-150					
N-MeFOSA	12.7	4.00	"	16.0		79.7	50-150					
N-EtFOSE	145	40.0	"	160		90.6	50-150					
N-EtFOSA	16.4	4.00	"	16.0		102	50-150					
Surrogate: M3PFBS	56.0		"	46.6		120	25-150					
Surrogate: M5PFHxA	74.7		"	50.0		149	25-150					
Surrogate: M4PFHpA	59.0		"	50.0		118	25-150					
Surrogate: M3PFHxS	58.8		"	47.4		124	25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.5		"	50.0		123	25-150					
Surrogate: M6PFDA	28.3		"	25.0		113	25-150					
Surrogate: M7PFUdA	34.0		"	25.0		136	25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.1		"	25.0		136	25-150					
Surrogate: M2PFTeDA	27.5		"	25.0		110	10-150					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31210 - EPA 1633 Prep

LCS (BG31210-BS2)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	204		ng/L	200		102	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	64.2		"	47.9		134	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	145		"	100		145	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.7		"	50.0		132	10-150				
Surrogate: d3-N-MeFOSAA	138		"	100		138	25-150				
Surrogate: d5-N-EtFOSAA	152		"	100		152	25-150				
Surrogate: M2-6:2 FTS	229		"	95.1		241	25-200				
Surrogate: M2-8:2 FTS	146		"	96.0		152	25-200				
Surrogate: M9PFNA	32.8		"	25.0		131	25-150				
Surrogate: M2-4:2 FTS	184		"	93.8		196	25-150				
Surrogate: d-N-MeFOSA	67.6		"	50.0		135	25-150				
Surrogate: d-N-EtFOSA	45.6		"	50.0		91.1	25-150				
Surrogate: M3HFPO-DA	237		"	200		119	25-150				
Surrogate: d9-N-EtFOSE	428		"	500		85.6	25-150				
Surrogate: d7-N-MeFOSE	500		"	500		100	25-150				

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	1.67	1.59	ng/L		3.45				69.6	30	Non-dir.
Perfluorohexanoic acid (PFHxA)	7.53	1.79	"		14.8				65.4	30	Non-dir.
Perfluoroheptanoic acid (PFHpA)	0.981	1.79	"		2.20				76.6	30	Non-dir.
Perfluorohexanesulfonic acid (PFHxS)	1.22	1.64	"		3.00				84.0	30	Non-dir.
Perfluorooctanoic acid (PFOA)	2.08	1.79	"		3.60				53.3	30	Non-dir.
Perfluorooctanesulfonic acid (PFOS)	4.30	1.67	"		5.12				17.5	30	
Perfluorononanoic acid (PFNA)	2.86	1.79	"		4.04				34.3	30	Non-dir.
Perfluorodecanoic acid (PFDA)	ND	1.79	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.79	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	1.79	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"		ND					30	
N-MeFOSAA	ND	1.79	"		ND					30	
N-EtFOSAA	ND	1.79	"		ND					30	
Perfluoropentanoic acid (PFPeA)	5.22	3.59	"		11.6				76.1	30	Non-dir.
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.71	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.73	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	6.82	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	6.89	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	3.44	7.17	"		6.80				65.6	30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.19	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.59	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.59	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.59	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.69	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	6.73	"		ND					30	
HFPO-DA (Gen-X)	ND	7.17	"		ND					30	
11CL-PF3OUdS	ND	6.78	"		ND					30	
9CL-PF3ONS	ND	6.71	"		ND					30	
ADONA	ND	6.78	"		ND					30	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31210 - EPA 1633 Prep

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)				Prepared: 07/21/2023 Analyzed: 07/25/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.74	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.72	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.48	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	22.4	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	22.4	"	ND			30
N-MeFOSE	ND	17.9	"	ND			30
N-MeFOSA	ND	1.79	"	ND			30
N-EtFOSE	ND	17.9	"	ND			30
N-EtFOSA	ND	1.79	"	ND			30
Surrogate: M3PFBS	66.0		"	20.9	316	25-150	
Surrogate: M5PFHxA	75.5		"	22.4	337	25-150	
Surrogate: M4PFHpA	64.3		"	22.4	287	25-150	
Surrogate: M3PFHxS	67.0		"	21.3	315	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.8		"	22.4	276	25-150	
Surrogate: M6PFDA	20.3		"	11.2	181	25-150	
Surrogate: M7PFUdA	23.1		"	11.2	206	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.0		"	11.2	178	25-150	
Surrogate: M2PFTeDA	11.2		"	11.2	100	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.3		"	89.7	26.0	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	61.8		"	21.5	288	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110		"	44.8	246	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.4		"	22.4	274	10-150	
Surrogate: d3-N-MeFOSAA	122		"	44.8	273	25-150	
Surrogate: d5-N-EtFOSAA	152		"	44.8	340	25-150	
Surrogate: M2-6:2 FTS	343		"	42.6	804	25-200	
Surrogate: M2-8:2 FTS	167		"	43.0	388	25-200	
Surrogate: M9PFNA	26.9		"	11.2	240	25-150	
Surrogate: M2-4:2 FTS	307		"	42.1	730	25-150	
Surrogate: d-N-MeFOSA	41.0		"	22.4	183	25-150	
Surrogate: d-N-EtFOSA	35.0		"	22.4	156	25-150	
Surrogate: M3HFPO-DA	236		"	89.7	263	25-150	
Surrogate: d9-N-EtFOSE	289		"	224	129	25-150	
Surrogate: d7-N-MeFOSE	323		"	224	144	25-150	



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31028 - EPA SW846-3510C Low Level**

Blank (BG31028-BLK1)	Blank	Prepared: 07/19/2023 Analyzed: 07/20/2023									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.112		"	0.200		55.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0982		"	0.200		49.1	30-150				

LCS (BG31028-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/20/2023									
4,4'-DDD	0.0560	0.00400	ug/L	0.100		56.0	40-140				20
4,4'-DDE	0.0483	0.00400	"	0.100		48.3	40-140				20
4,4'-DDT	0.0664	0.00400	"	0.100		66.4	40-140				20
Aldrin	0.0407	0.00400	"	0.100		40.7	40-140				20
alpha-BHC	0.0506	0.00400	"	0.100		50.6	40-140				20
alpha-Chlordane	0.0460	0.00400	"	0.100		46.0	40-140				20
beta-BHC	0.0570	0.00400	"	0.100		57.0	40-140				20
delta-BHC	0.0562	0.00400	"	0.100		56.2	40-140				20
Dieldrin	0.0526	0.00200	"	0.100		52.6	40-140				20
Endosulfan I	0.0491	0.00400	"	0.100		49.1	40-140				20
Endosulfan II	0.0553	0.00400	"	0.100		55.3	40-140				20
Endosulfan sulfate	0.0590	0.00400	"	0.100		59.0	40-140				20
Endrin	0.0576	0.00400	"	0.100		57.6	40-140				20
Endrin aldehyde	0.0638	0.0100	"	0.100		63.8	40-140				20
Endrin ketone	0.0604	0.0100	"	0.100		60.4	40-140				20
gamma-BHC (Lindane)	0.0500	0.00400	"	0.100		50.0	40-140				20
gamma-Chlordane	0.0478	0.0100	"	0.100		47.8	40-140				20
Heptachlor	0.0566	0.00400	"	0.100		56.6	40-140				20
Heptachlor epoxide	0.0531	0.00400	"	0.100		53.1	40-140				20
Methoxychlor	0.0730	0.00400	"	0.100		73.0	40-140				20
Surrogate: Decachlorobiphenyl	0.103		"	0.200		51.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0809		"	0.200		40.4	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31255 - EPA 3550C**

Blank (BG31255-BLK1)	Blank	Prepared: 07/24/2023 Analyzed: 07/25/2023									
4,4'-DDD	ND	0.00161	mg/kg wet								
4,4'-DDE	ND	0.00161	"								
4,4'-DDT	ND	0.00161	"								
Aldrin	ND	0.00161	"								
alpha-BHC	ND	0.00161	"								
alpha-Chlordane	ND	0.00161	"								
beta-BHC	ND	0.00161	"								
delta-BHC	ND	0.00161	"								
Dieldrin	ND	0.00161	"								
Endosulfan I	ND	0.00161	"								
Endosulfan II	ND	0.00161	"								
Endosulfan sulfate	ND	0.00161	"								
Endrin	ND	0.00161	"								
Endrin aldehyde	ND	0.00161	"								
Endrin ketone	ND	0.00161	"								
gamma-BHC (Lindane)	ND	0.00161	"								
gamma-Chlordane	ND	0.00161	"								
Heptachlor	ND	0.00161	"								
Heptachlor epoxide	ND	0.00161	"								
Methoxychlor	ND	0.00161	"								
Toxaphene	ND	0.161	"								
Chlordane, total	ND	0.0321	"								

Surrogate: Decachlorobiphenyl	0.0674		"	0.0649		104	30-150				
Surrogate: Tetrachloro-m-xylene	0.0522		"	0.0649		80.3	30-150				

LCS (BG31255-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
4,4'-DDD	0.0252	0.00161	mg/kg wet	0.0325		77.7	40-140				
4,4'-DDE	0.0242	0.00161	"	0.0325		74.6	40-140				
4,4'-DDT	0.0225	0.00161	"	0.0325		69.3	40-140				
Aldrin	0.0238	0.00161	"	0.0325		73.3	40-140				
alpha-BHC	0.0231	0.00161	"	0.0325		71.3	40-140				
alpha-Chlordane	0.0242	0.00161	"	0.0325		74.5	40-140				
beta-BHC	0.0235	0.00161	"	0.0325		72.4	40-140				
delta-BHC	0.0227	0.00161	"	0.0325		69.8	40-140				
Dieldrin	0.0238	0.00161	"	0.0325		73.2	40-140				
Endosulfan I	0.0246	0.00161	"	0.0325		75.7	40-140				
Endosulfan II	0.0251	0.00161	"	0.0325		77.4	40-140				
Endosulfan sulfate	0.0258	0.00161	"	0.0325		79.6	40-140				
Endrin	0.0231	0.00161	"	0.0325		71.3	40-140				
Endrin aldehyde	0.0257	0.00161	"	0.0325		79.1	40-140				
Endrin ketone	0.0267	0.00161	"	0.0325		82.1	40-140				
gamma-BHC (Lindane)	0.0234	0.00161	"	0.0325		72.0	40-140				
gamma-Chlordane	0.0240	0.00161	"	0.0325		74.0	40-140				
Heptachlor	0.0232	0.00161	"	0.0325		71.6	40-140				
Heptachlor epoxide	0.0241	0.00161	"	0.0325		74.3	40-140				
Methoxychlor	0.0262	0.00161	"	0.0325		80.6	40-140				

Surrogate: Decachlorobiphenyl	0.0644		"	0.0649		99.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0494		"	0.0649		76.1	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31255 - EPA 3550C**

Matrix Spike (BG31255-MS1)	Matrix Spike	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/24/2023 Analyzed: 07/25/2023	
4,4'-DDD	0.0383	0.00192	mg/kg dry	0.0389	ND	98.6	30-150	
4,4'-DDE	0.0347	0.00192	"	0.0389	ND	89.3	30-150	
4,4'-DDT	0.0333	0.00192	"	0.0389	ND	85.7	30-150	
Aldrin	0.0346	0.00192	"	0.0389	ND	89.1	30-150	
alpha-BHC	0.0348	0.00192	"	0.0389	ND	89.5	30-150	
alpha-Chlordane	0.0361	0.00192	"	0.0389	ND	92.8	30-150	
beta-BHC	0.0355	0.00192	"	0.0389	ND	91.4	30-150	
delta-BHC	0.0340	0.00192	"	0.0389	ND	87.6	30-150	
Dieldrin	0.0356	0.00192	"	0.0389	ND	91.6	30-150	
Endosulfan I	0.0364	0.00192	"	0.0389	ND	93.6	30-150	
Endosulfan II	0.0375	0.00192	"	0.0389	ND	96.5	30-150	
Endosulfan sulfate	0.0380	0.00192	"	0.0389	ND	97.7	30-150	
Endrin	0.0335	0.00192	"	0.0389	ND	86.3	30-150	
Endrin aldehyde	0.0383	0.00192	"	0.0389	ND	98.5	30-150	
Endrin ketone	0.0419	0.00192	"	0.0389	ND	108	30-150	
gamma-BHC (Lindane)	0.0355	0.00192	"	0.0389	ND	91.3	30-150	
gamma-Chlordane	0.0358	0.00192	"	0.0389	ND	92.2	30-150	
Heptachlor	0.0343	0.00192	"	0.0389	ND	88.2	30-150	
Heptachlor epoxide	0.0361	0.00192	"	0.0389	ND	92.8	30-150	
Methoxychlor	0.0367	0.00192	"	0.0389	ND	94.5	30-150	
Surrogate: Decachlorobiphenyl	0.0870		"	0.0777		112	30-150	
Surrogate: Tetrachloro-m-xylene	0.0672		"	0.0777		86.5	30-150	

Matrix Spike Dup (BG31255-1)	Matrix Spike Dup	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/24/2023 Analyzed: 07/25/2023		
4,4'-DDD	0.0351	0.00192	mg/kg dry	0.0389	ND	90.2	30-150	8.87	30
4,4'-DDE	0.0312	0.00192	"	0.0389	ND	80.3	30-150	10.6	30
4,4'-DDT	0.0296	0.00192	"	0.0389	ND	76.1	30-150	11.8	30
Aldrin	0.0313	0.00192	"	0.0389	ND	80.6	30-150	10.1	30
alpha-BHC	0.0314	0.00192	"	0.0389	ND	80.9	30-150	10.1	30
alpha-Chlordane	0.0325	0.00192	"	0.0389	ND	83.7	30-150	10.4	30
beta-BHC	0.0323	0.00192	"	0.0389	ND	83.2	30-150	9.46	30
delta-BHC	0.0307	0.00192	"	0.0389	ND	79.1	30-150	10.2	30
Dieldrin	0.0323	0.00192	"	0.0389	ND	83.2	30-150	9.54	30
Endosulfan I	0.0331	0.00192	"	0.0389	ND	85.2	30-150	9.38	30
Endosulfan II	0.0340	0.00192	"	0.0389	ND	87.5	30-150	9.77	30
Endosulfan sulfate	0.0343	0.00192	"	0.0389	ND	88.2	30-150	10.2	30
Endrin	0.0299	0.00192	"	0.0389	ND	76.9	30-150	11.5	30
Endrin aldehyde	0.0348	0.00192	"	0.0389	ND	89.5	30-150	9.58	30
Endrin ketone	0.0384	0.00192	"	0.0389	ND	98.8	30-150	8.74	30
gamma-BHC (Lindane)	0.0323	0.00192	"	0.0389	ND	83.1	30-150	9.41	30
gamma-Chlordane	0.0325	0.00192	"	0.0389	ND	83.6	30-150	9.84	30
Heptachlor	0.0311	0.00192	"	0.0389	ND	80.1	30-150	9.62	30
Heptachlor epoxide	0.0329	0.00192	"	0.0389	ND	84.6	30-150	9.26	30
Methoxychlor	0.0330	0.00192	"	0.0389	ND	85.0	30-150	10.6	30
Surrogate: Decachlorobiphenyl	0.0782		"	0.0777		101	30-150		
Surrogate: Tetrachloro-m-xylene	0.0609		"	0.0777		78.3	30-150		



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31028 - EPA SW846-3510C Low Level</b>											
<b>Blank (BG31028-BLK2)</b>	Blank								Prepared & Analyzed: 07/19/2023		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.127		"	0.200		63.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0950		"	0.200		47.5	30-120				
<b>LCS (BG31028-BS2)</b>	LCS								Prepared & Analyzed: 07/19/2023		
Aroclor 1016	0.679	0.0500	ug/L	1.00		67.9	40-120				
Aroclor 1260	0.620	0.0500	"	1.00		62.0	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.107		"	0.200		53.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0790		"	0.200		39.5	30-120				
<b>LCS Dup (BG31028-BSD2)</b>	LCS Dup								Prepared & Analyzed: 07/19/2023		
Aroclor 1016	0.634	0.0500	ug/L	1.00		63.4	40-120	6.78	30		
Aroclor 1260	0.579	0.0500	"	1.00		57.9	40-120	6.71	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.100		"	0.200		50.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0690		"	0.200		34.5	30-120				
<b>Batch BG31255 - EPA 3550C</b>											
<b>Blank (BG31255-BLK2)</b>	Blank								Prepared: 07/24/2023 Analyzed: 07/25/2023		
Aroclor 1016	ND	0.0162	mg/kg wet								
Aroclor 1221	ND	0.0162	"								
Aroclor 1232	ND	0.0162	"								
Aroclor 1242	ND	0.0162	"								
Aroclor 1248	ND	0.0162	"								
Aroclor 1254	ND	0.0162	"								
Aroclor 1260	ND	0.0162	"								
Total PCBs	ND	0.0162	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0552		"	0.0649		85.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0578		"	0.0649		89.0	30-120				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31255 - EPA 3550C</b>												
<b>LCS (BG31255-BS2)</b>	<b>LCS</b>							Prepared: 07/24/2023 Analyzed: 07/25/2023				
Aroclor 1016	0.328	0.0162	mg/kg wet	0.325		101	40-130					
Aroclor 1260	0.316	0.0162	"	0.325		97.4	40-130					
Surrogate: Tetrachloro-m-xylene	0.0597		"	0.0649		92.0	30-120					
Surrogate: Decachlorobiphenyl	0.0617		"	0.0649		95.0	30-120					
<b>Matrix Spike (BG31255-MS2)</b>	<b>Matrix Spike</b>							*Source sample: 23G0971-09 (RIB02_15.5-17.5) Prepared: 07/24/2023 Analyzed: 07/25/2023				
Aroclor 1016	0.370	0.0194	mg/kg dry	0.389	ND	95.2	40-140					
Aroclor 1260	0.369	0.0194	"	0.389	ND	94.9	40-140					
Surrogate: Tetrachloro-m-xylene	0.0680		"	0.0777		87.5	30-120					
Surrogate: Decachlorobiphenyl	0.0703		"	0.0777		90.5	30-120					
<b>Matrix Spike Dup (BG31255-MS2)</b>	<b>Matrix Spike Dup</b>							*Source sample: 23G0971-09 (RIB02_15.5-17.5) Prepared: 07/24/2023 Analyzed: 07/25/2023				
Aroclor 1016	0.399	0.0194	mg/kg dry	0.389	ND	103	40-140		7.60	50		
Aroclor 1260	0.388	0.0194	"	0.389	ND	99.9	40-140		5.09	50		
Surrogate: Tetrachloro-m-xylene	0.0758		"	0.0777		97.5	30-120					
Surrogate: Decachlorobiphenyl	0.0727		"	0.0777		93.5	30-120					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31020 - EPA 3550C/8151A**

<b>Blank (BG31020-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 07/19/2023							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.365	"	0.415		87.8	21-150				

<b>LCS (BG31020-BS1)</b>		<b>LCS</b>		Prepared & Analyzed: 07/19/2023							
2,4,5-T	0.0905	0.0199	mg/kg wet	0.133		68.1	10-120				
2,4,5-TP (Silvex)	0.0897	0.0199	"	0.133		67.5	10-120				
2,4-D	0.0980	0.0199	"	0.133		73.7	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.448	"	0.415		108	21-150				

<b>Matrix Spike (BG31020-MS1)</b>		<b>Matrix Spike</b>		<b>*Source sample: 23G0881-14 (Matrix Spike)</b>		Prepared & Analyzed: 07/19/2023					
2,4,5-T	0.0787	0.0363	mg/kg dry	0.242	ND	32.5	10-120				
2,4,5-TP (Silvex)	0.0833	0.0363	"	0.242	ND	34.4	10-120				
2,4-D	0.123	0.0363	"	0.242	ND	50.6	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.415	"	0.757		54.8	21-150				

<b>Matrix Spike Dup (BG31020-MS1)</b>		<b>Matrix Spike Dup</b>		<b>*Source sample: 23G0881-14 (Matrix Spike Dup)</b>		Prepared & Analyzed: 07/19/2023					
2,4,5-T	0.0407	0.0362	mg/kg dry	0.241	ND	16.9	10-120	63.6	35	Non-dir.	
2,4,5-TP (Silvex)	0.0468	0.0362	"	0.241	ND	19.4	10-120	56.1	35	Non-dir.	
2,4-D	0.0513	0.0362	"	0.241	ND	21.2	10-118	82.0	35	Non-dir.	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.256	"	0.754		34.0	21-150				

**Batch BG31097 - EPA 3550C/8151A**

<b>Blank (BG31097-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 07/20/2023							
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.393	"	0.417		94.4	21-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31097 - EPA 3550C/8151A**

LCS (BG31097-BS1)		LCS		Prepared & Analyzed: 07/20/2023							
2,4,5-T	0.125	0.0200	mg/kg wet	0.133		93.8	10-120				
2,4,5-TP (Silvex)	0.124	0.0200	"	0.133		93.1	10-120				
2,4-D	0.136	0.0200	"	0.133		102	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.422	"	0.417		101	21-150				

Matrix Spike (BG31097-MS1)		Matrix Spike		*Source sample: 23G0971-09 (RIB02_15.5-17.5)		Prepared & Analyzed: 07/20/2023					
2,4,5-T	0.145	0.0239	mg/kg dry	0.160	ND	90.6	10-120				
2,4,5-TP (Silvex)	0.137	0.0239	"	0.160	ND	85.6	10-120				
2,4-D	0.181	0.0239	"	0.160	ND	113	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.392	"	0.499		78.6	21-150				

Matrix Spike Dup (BG31097-1)		Matrix Spike Dup		*Source sample: 23G0971-09 (RIB02_15.5-17.5)		Prepared & Analyzed: 07/20/2023					
2,4,5-T	0.129	0.0239	mg/kg dry	0.160	ND	80.6	10-120		11.7	35	
2,4,5-TP (Silvex)	0.125	0.0239	"	0.160	ND	78.1	10-120		9.16	35	
2,4-D	0.138	0.0239	"	0.160	ND	86.3	10-118		27.0	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.344	"	0.499		69.0	21-150				

**Batch BG31288 - EPA 8151A**

Blank (BG31288-BLK1)		Blank		Prepared: 07/24/2023 Analyzed: 07/26/2023							
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		72.8	"	125		58.2	30-150				

LCS (BG31288-BS1)		LCS		Prepared: 07/24/2023 Analyzed: 07/26/2023							
2,4,5-T	17.5	5.00	ug/L	40.0		43.8	10-140				
2,4,5-TP (Silvex)	17.0	5.00	"	40.0		42.5	10-139				
2,4-D	19.8	5.00	"	40.0		49.4	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		56.0	"	125		44.8	30-150				



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31288 - EPA 8151A</b>												
<b>LCS Dup (BG31288-BSD1) LCS Dup</b>								Prepared: 07/24/2023 Analyzed: 07/26/2023				
2,4,5-T	22.2	5.00	ug/L	40.0		55.6	10-140		23.9	30		
2,4,5-TP (Silvex)	21.5	5.00	"	40.0		53.8	10-139		23.4	30		
2,4-D	24.8	5.00	"	40.0		61.9	10-140		22.5	30		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	69.2		"	125		55.4	30-150					
<b>Matrix Spike (BG31288-MS1) Matrix Spike</b>		*Source sample: 23G1091-03 (Matrix Spike)						Prepared: 07/24/2023 Analyzed: 07/26/2023				
2,4,5-T	13.0	5.00	ug/L	40.0	ND	32.5	30-150					
2,4,5-TP (Silvex)	12.5	5.00	"	40.0	ND	31.2	30-150					
2,4-D	14.5	5.00	"	40.0	ND	36.2	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	42.8		"	125		34.2	30-150					
<b>Matrix Spike Dup (BG31288-1) Matrix Spike Dup</b>		*Source sample: 23G1091-03 (Matrix Spike Dup)						Prepared: 07/24/2023 Analyzed: 07/26/2023				
2,4,5-T	19.8	5.00	ug/L	40.0	ND	49.4	30-150		41.2	30	Non-dir.	
2,4,5-TP (Silvex)	19.2	5.00	"	40.0	ND	48.1	30-150		42.5	30	Non-dir.	
2,4-D	22.0	5.00	"	40.0	ND	55.0	30-150		41.1	30	Non-dir.	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	64.5		"	125		51.6	30-150					



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

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

**Batch BG31280 - EPA 3015A**

<b>Blank (BG31280-BLK1)</b>		Blank		Prepared: 07/24/2023 Analyzed: 07/26/2023								
Aluminum	ND	0.0556	mg/L									
Barium	ND	0.0278	"									
Calcium	ND	0.0556	"									
Chromium	ND	0.00556	"									
Cobalt	ND	0.00444	"									
Copper	ND	0.0222	"									
Iron	ND	0.278	"									
Lead	ND	0.00556	"									
Magnesium	ND	0.0556	"									
Manganese	ND	0.00556	"									
Nickel	ND	0.0111	"									
Potassium	0.885	0.0556	"									
Silver	ND	0.00556	"									
Sodium	ND	0.556	"									
Vanadium	ND	0.0111	"									
Zinc	ND	0.0278	"									

<b>Blank (BG31280-BLK2)</b>		Blank		Prepared: 07/24/2023 Analyzed: 07/27/2023								
Aluminum	ND	0.0556	mg/L									
Barium	ND	0.0278	"									
Calcium	ND	0.0556	"									
Chromium	ND	0.00556	"									
Cobalt	ND	0.00444	"									
Copper	ND	0.0222	"									
Iron	ND	0.278	"									
Lead	ND	0.00556	"									
Magnesium	ND	0.0556	"									
Manganese	ND	0.00556	"									
Nickel	ND	0.0111	"									
Potassium	0.0635	0.0556	"									
Silver	ND	0.00556	"									
Sodium	ND	0.556	"									
Vanadium	ND	0.0111	"									
Zinc	ND	0.0278	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31280 - EPA 3015A**

<b>LCS (BG31280-BS1)</b>		<b>LCS</b>		Prepared: 07/24/2023 Analyzed: 07/26/2023								
Aluminum	1.89		ug/mL	2.00		94.7	80-120					
Barium	2.00		"	2.00		100	80-120					
Calcium	1.03		"	1.00		103	80-120					
Chromium	0.200		"	0.200		100	80-120					
Cobalt	0.489		"	0.500		97.8	80-120					
Copper	0.257		"	0.250		103	80-120					
Iron	1.00		"	1.00		100	80-120					
Lead	0.481		"	0.500		96.2	80-120					
Magnesium	0.922		"	1.00		92.2	80-120					
Manganese	0.499		"	0.500		99.8	80-120					
Nickel	0.498		"	0.500		99.6	80-120					
Potassium	1.21		"	1.00		121	80-120	High Bias				
Silver	0.0430		"	0.0500		86.1	80-120					
Sodium	2.39		"	1.00		239	80-120	High Bias				
Vanadium	0.485		"	0.500		97.0	80-120					
Zinc	0.487		"	0.500		97.4	80-120					

<b>LCS (BG31280-BS2)</b>		<b>LCS</b>		Prepared: 07/24/2023 Analyzed: 07/26/2023								
Aluminum	1.83		ug/mL	2.00		91.3	80-120					
Barium	1.95		"	2.00		97.4	80-120					
Calcium	1.04		"	1.00		104	80-120					
Chromium	0.188		"	0.200		94.1	80-120					
Cobalt	0.477		"	0.500		95.4	80-120					
Copper	0.233		"	0.250		93.3	80-120					
Iron	0.953		"	1.00		95.3	80-120					
Lead	0.465		"	0.500		93.1	80-120					
Magnesium	0.995		"	1.00		99.5	80-120					
Manganese	0.485		"	0.500		97.0	80-120					
Nickel	0.483		"	0.500		96.7	80-120					
Potassium	0.900		"	1.00		90.0	80-120					
Silver	0.0445		"	0.0500		89.0	80-120					
Sodium	0.908		"	1.00		90.8	80-120					
Vanadium	0.469		"	0.500		93.7	80-120					
Zinc	0.473		"	0.500		94.6	80-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31409 - EPA 3050B**

<b>Blank (BG31409-BLK1)</b>		<b>Blank</b>		Prepared: 07/25/2023 Analyzed: 07/26/2023							
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	6.54	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

<b>Duplicate (BG31409-DUP1)</b>		<b>Duplicate</b>		<b>*Source sample: 23G0971-09 (RIB02_15.5-17.5)</b>		Prepared: 07/25/2023 Analyzed: 07/26/2023				
Aluminum	10500	4.99	mg/kg dry	8190	24.6	35				
Antimony	4.13	2.49	"	2.86	36.2	35	Non-dir.			
Arsenic	7.58	1.50	"	8.25	8.48	35				
Barium	66.4	2.49	"	57.4	14.6	35				
Beryllium	0.198	0.050	"	ND		35				
Cadmium	ND	0.299	"	ND		35				
Calcium	4720	4.99	"	4360	7.90	35				
Chromium	15.8	0.499	"	13.5	15.5	35				
Cobalt	4.06	0.399	"	4.29	5.65	35				
Copper	16.4	2.00	"	11.4	35.9	35	Non-dir.			
Iron	13000	24.9	"	14100	8.16	35				
Lead	79.2	0.499	"	126	45.9	35	Non-dir.			
Magnesium	2470	4.99	"	2610	5.51	35				
Manganese	168	0.499	"	390	79.7	35	Non-dir.			
Nickel	20.1	0.993	"	17.5	14.1	35				
Potassium	1230	4.99	"	1450	16.6	35				
Selenium	ND	2.49	"	ND		35				
Silver	ND	0.503	"	ND		35				
Sodium	554	49.9	"	492	11.9	35				
Thallium	8.02	2.49	"	8.28	3.19	35				
Vanadium	20.5	0.993	"	18.7	9.12	35				
Zinc	48.2	2.48	"	54.4	12.1	35				



**Metals by ICP - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31409 - EPA 3050B**

Matrix Spike (BG31409-MS1)	Matrix Spike	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/25/2023 Analyzed: 07/26/2023	
Aluminum	12000	4.99	mg/kg dry	199	8190	NR	75-125	High Bias
Antimony	12.7	2.49	"	24.9	2.86	39.4	75-125	Low Bias
Arsenic	208	1.50	"	199	8.25	100	75-125	
Barium	286	2.49	"	199	57.4	114	75-125	
Beryllium	5.68	0.050	"	4.99	ND	114	75-125	
Cadmium	4.59	0.299	"	4.99	ND	92.1	75-125	
Calcium	2070	4.99	"	99.7	4360	NR	75-125	Low Bias
Chromium	35.1	0.499	"	19.9	13.5	108	75-125	
Cobalt	56.9	0.399	"	49.9	4.29	105	75-125	
Copper	41.6	2.00	"	24.9	11.4	121	75-125	
Iron	14500	24.9	"	99.7	14100	392	75-125	High Bias
Lead	138	0.499	"	49.9	126	22.6	75-125	Low Bias
Magnesium	2430	4.99	"	99.7	2610	NR	75-125	Low Bias
Manganese	280	0.499	"	49.9	390	NR	75-125	Low Bias
Nickel	70.0	0.993	"	49.9	17.5	105	75-125	
Potassium	1230	4.99	"	99.7	1450	NR	75-125	Low Bias
Selenium	125	2.49	"	199	ND	62.6	75-125	Low Bias
Silver	0.666	0.503	"	4.99	ND	13.4	75-125	Low Bias
Sodium	657	49.9	"	99.7	492	165	75-125	High Bias
Thallium	207	2.49	"	199	8.28	99.4	75-125	
Vanadium	72.4	0.993	"	49.9	18.7	108	75-125	
Zinc	92.3	2.48	"	49.9	54.4	76.0	75-125	

Post Spike (BG31409-PS1)	Post Spike	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/25/2023 Analyzed: 07/26/2023	
Aluminum	86.2		ug/mL	2.00	82.1	205	75-125	High Bias
Antimony	0.271		"	0.250	0.029	96.8	75-125	
Arsenic	2.00		"	2.00	0.083	95.9	75-125	
Barium	2.56		"	2.00	0.575	99.3	75-125	
Beryllium	0.048		"	0.0500	-0.001	96.8	75-125	
Cadmium	0.042		"	0.0500	-0.003	84.0	75-125	
Calcium	46.9		"	1.00	43.7	319	75-125	High Bias
Chromium	0.324		"	0.200	0.135	94.1	75-125	
Cobalt	0.527		"	0.500	0.043	96.8	75-125	
Copper	0.373		"	0.250	0.114	103	75-125	
Iron	149		"	1.00	141	727	75-125	High Bias
Lead	1.75		"	0.500	1.27	97.3	75-125	
Magnesium	28.1		"	1.00	26.2	192	75-125	High Bias
Manganese	4.55		"	0.500	3.91	128	75-125	High Bias
Nickel	0.678		"	0.500	0.175	101	75-125	
Potassium	15.2		"	1.00	14.6	67.6	75-125	Low Bias
Selenium	1.18		"	2.00	-0.297	58.8	75-125	Low Bias
Silver	-0.008		"	0.0500	-0.065		75-125	Low Bias
Sodium	5.98		"	1.00	4.93	105	75-125	
Thallium	1.95		"	2.00	0.083	93.2	75-125	
Vanadium	0.672		"	0.500	0.188	96.7	75-125	
Zinc	1.01		"	0.500	0.545	93.4	75-125	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31409 - EPA 3050B**

Reference (BG31409-SRM1) Reference Prepared: 07/25/2023 Analyzed: 07/26/2023

Aluminum	8540	4.17	mg/kg wet	8040		106	49.9-150.5				
Antimony	58.3	2.08	"	129		45.2	18-250.4				
Arsenic	195	1.25	"	183		106	69.9-130.1				
Barium	316	2.08	"	297		106	75.1-125.3				
Beryllium	76.8	0.042	"	78.8		97.4	75-124.9				
Cadmium	221	0.250	"	221		100	75.1-124.9				
Calcium	4860	4.17	"	4710		103	72.4-127.4				
Chromium	196	0.417	"	200		98.2	70-130				
Cobalt	97.4	0.333	"	97.4		100	74.9-125.3				
Copper	148	1.67	"	136		109	75-125				
Iron	15000	20.8	"	14000		107	34.9-165.7				
Lead	270	0.417	"	257		105	73.9-126.1				
Magnesium	2390	4.17	"	2290		104	62-138.4				
Manganese	397	0.417	"	381		104	75.9-124.1				
Nickel	180	0.830	"	169		107	69.8-129.6				
Potassium	2050	4.17	"	2030		101	59.1-140.9				
Selenium	145	2.08	"	217		66.6	69.1-131.3	Low Bias			
Silver	64.4	0.420	"	67.8		95.0	70.6-129.2				
Sodium	423	41.7	"	427		99.0	58.3-141.9				
Thallium	89.1	2.08	"	80.5		111	65.1-135.4				
Vanadium	202	0.830	"	205		98.4	74.6-125.4				
Zinc	233	2.08	"	224		104	70.1-130.4				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31371 - EPA 3015A</b>												
<b>Blank (BG31371-BLK1)</b>	<b>Blank</b>										Prepared & Analyzed: 07/25/2023	
Antimony	ND	1.11	ug/L									
Arsenic	ND	1.11	"									
Beryllium	ND	0.333	"									
Cadmium	ND	0.556	"									
Selenium	ND	1.11	"									
Thallium	ND	1.11	"									
<b>LCS (BG31371-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/25/2023	
Antimony	53.1		ug/L	50.0		106	80-120					
Arsenic	49.9		"	50.0		99.8	80-120					
Beryllium	56.3		"	50.0		113	80-120					
Cadmium	48.4		"	50.0		96.9	80-120					
Selenium	51.6		"	50.0		103	80-120					
Thallium	53.2		"	50.0		106	80-120					
<b>Duplicate (BG31371-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G1091-03 (Duplicate)										Prepared & Analyzed: 07/25/2023
Antimony	ND	1.11	ug/L		ND					20		
Arsenic	2.68	1.11	"		2.58				4.09	20		
Beryllium	ND	0.333	"		ND					20		
Cadmium	ND	0.556	"		ND					20		
Selenium	1.14	1.11	"		4.57				120	20	Non-dir.	
Thallium	ND	1.11	"		ND					20		
<b>Matrix Spike (BG31371-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1091-03 (Matrix Spike)										Prepared & Analyzed: 07/25/2023
Antimony	53.9		ug/L	50.0	0.113	108	75-125					
Arsenic	51.8		"	50.0	2.32	99.0	75-125					
Beryllium	29.7		"	50.0	0.013	59.4	75-125	Low Bias				
Cadmium	45.7		"	50.0	0.456	90.4	75-125					
Selenium	58.7		"	50.0	4.11	109	75-125					
Thallium	55.8		"	50.0	0.005	112	75-125					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31363 - EPA SW846-7470A</b>												
<b>Blank (BG31363-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/25/2023			
Mercury	ND	0.0002	mg/L									
<b>LCS (BG31363-BS1)</b>	<b>LCS</b>								Prepared & Analyzed: 07/25/2023			
Mercury	0.0018381	0.0002	mg/L	0.00200		91.9	80-120					
<b>Duplicate (BG31363-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G1091-03 (Duplicate)								Prepared & Analyzed: 07/25/2023		
Mercury	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BG31363-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1091-03 (Matrix Spike)								Prepared & Analyzed: 07/25/2023		
Mercury	0.0025	0.0002	mg/L	0.00200	ND	127	75-125	High Bias				
<b>Matrix Spike Dup (BG31363-MS1-DUP)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1091-03 (Matrix Spike Dup)								Prepared & Analyzed: 07/25/2023		
Mercury	0.0024	0.0002	mg/L	0.00200	ND	121	75-125		4.35		200	
<b>Batch BG31431 - EPA 7473 soil</b>												
<b>Blank (BG31431-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/25/2023			
Mercury	ND	0.0300	mg/kg wet									
<b>Duplicate (BG31431-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)								Prepared & Analyzed: 07/25/2023		
Mercury	0.239	0.0359	mg/kg dry		0.232				2.75		35	
<b>Matrix Spike (BG31431-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)								Prepared & Analyzed: 07/25/2023		
Mercury	0.674		mg/kg	0.500	0.194	96.0	75-125					
<b>Reference (BG31431-SRM1)</b>	<b>Reference</b>								Prepared & Analyzed: 07/25/2023			
Mercury	22.078		mg/kg	27.2		81.2	59.9-140.1					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31480 - EPA 7473 soil</b>												
<b>Blank (BG31480-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/26/2023			
Mercury	ND	0.0300	mg/kg wet									
<b>Duplicate (BG31480-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0669-01 (Duplicate)								Prepared & Analyzed: 07/26/2023		
Mercury	ND	0.0317	mg/kg dry		ND					35		
<b>Matrix Spike (BG31480-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0669-01 (Matrix Spike)								Prepared & Analyzed: 07/26/2023		
Mercury	0.485		mg/kg	0.500	0.0281	91.3	75-125					
<b>Reference (BG31480-SRM1)</b>	<b>Reference</b>								Prepared & Analyzed: 07/26/2023			
Mercury	27.342		mg/kg	27.2		101	59.9-140.1					



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31001 - Analysis Preparation</b>											
<b>Blank (BG31001-BLK1)</b>	Blank								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG31001-BS1)</b>	LCS								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.496	0.0100	mg/L	0.500		99.2	85-115				
<b>Duplicate (BG31001-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
<b>Matrix Spike (BG31001-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.460	0.0100	mg/L	0.500	ND	92.0	85-115				
<b>Matrix Spike Dup (BG31001-MS1-DUP)</b>	Matrix Spike Dup								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.453	0.0100	mg/L	0.500	ND	90.6	85-115		1.53	200	
<b>Batch BG31075 - Analysis Preparation</b>											
<b>Blank (BG31075-BLK1)</b>	Blank								Prepared & Analyzed: 07/19/2023		
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BG31075-BS1)</b>	LCS								Prepared & Analyzed: 07/19/2023		
Cyanide, total	0.195	0.0100	mg/L	0.200		97.5	80-120				
<b>Duplicate (BG31075-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/19/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
<b>Matrix Spike (BG31075-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/19/2023		
Cyanide, total	0.185	0.0100	mg/L	0.200	ND	92.5	79-105				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31075 - Analysis Preparation**

<b>Matrix Spike Dup (BG31075-1) Matrix Spike Dup</b> *Source sample: 23G0939-01 (Matrix Spike Dup)							Prepared & Analyzed: 07/19/2023				
Cyanide, total	0.188	0.0100	mg/L	0.200	ND	94.0	79-105		1.61	200	

**Batch BG31137 - Analysis Preparation Soil**

<b>Blank (BG31137-BLK1) Blank</b>							Prepared & Analyzed: 07/20/2023				
Cyanide, total	ND	0.500	mg/kg wet								

<b>Duplicate (BG31137-DUP1) Duplicate</b> *Source sample: 23G0881-14 (Duplicate)							Prepared & Analyzed: 07/20/2023				
Cyanide, total	ND	0.923	mg/kg dry		ND					15	

<b>Matrix Spike (BG31137-MS1) Matrix Spike</b> *Source sample: 23G0881-14 (Matrix Spike)							Prepared & Analyzed: 07/20/2023				
Cyanide, total	16.3	0.923	mg/kg dry	18.5	ND	88.5	79.6-107				

<b>Matrix Spike Dup (BG31137-1) Matrix Spike Dup</b> *Source sample: 23G0881-14 (Matrix Spike Dup)							Prepared & Analyzed: 07/20/2023				
Cyanide, total	16.6	0.923	mg/kg dry	18.5	ND	90.0	79.6-107		1.68	200	

<b>Reference (BG31137-SRM1) Reference</b>							Prepared & Analyzed: 07/20/2023				
Cyanide, total	147		ug/mL	131		112	44.4-156.5				

**Batch BG31196 - Analysis Preparation Soil**

<b>Blank (BG31196-BLK1) Blank</b>							Prepared & Analyzed: 07/21/2023				
Cyanide, total	ND	0.500	mg/kg wet								

<b>Duplicate (BG31196-DUP1) Duplicate</b> *Source sample: 23G1128-02 (Duplicate)							Prepared & Analyzed: 07/21/2023				
Cyanide, total	ND	0.531	mg/kg dry		ND					15	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31196 - Analysis Preparation Soil</b>												
<b>Matrix Spike (BG31196-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1128-02 (Matrix Spike)					Prepared & Analyzed: 07/21/2023					
Cyanide, total	9.93	0.531	mg/kg dry	10.6	ND	93.5	79.6-107					
<b>Matrix Spike Dup (BG31196-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1128-02 (Matrix Spike Dup)					Prepared & Analyzed: 07/21/2023					
Cyanide, total	10.7	0.531	mg/kg dry	10.6	ND	100	79.6-107		7.22	200		
<b>Reference (BG31196-SRM1)</b>	<b>Reference</b>						Prepared & Analyzed: 07/21/2023					
Cyanide, total	145		ug/mL	131		111	44.4-156.5					
<b>Batch BG31225 - Analysis Preparation Soil</b>												
<b>Blank (BG31225-BLK1)</b>	<b>Blank</b>						Prepared & Analyzed: 07/21/2023					
Cyanide, total	ND	0.500	mg/kg wet									
<b>Duplicate (BG31225-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/21/2023					
Cyanide, total	ND	0.598	mg/kg dry		ND					15		
<b>Matrix Spike (BG31225-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/21/2023					
Cyanide, total	11.9	0.598	mg/kg dry	12.0	ND	99.5	79.6-107					
<b>Matrix Spike Dup (BG31225-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/21/2023					
Cyanide, total	11.3	0.598	mg/kg dry	12.0	ND	94.5	79.6-107		5.15	200		
<b>Reference (BG31225-SRM1)</b>	<b>Reference</b>						Prepared & Analyzed: 07/21/2023					
Cyanide, total	130		ug/mL	131		99.5	44.4-156.5					
<b>Batch BG31374 - EPA SW846-3060</b>												
<b>Blank (BG31374-BLK1)</b>	<b>Blank</b>						Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	ND	0.500	mg/kg wet									



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31374 - EPA SW846-3060</b>												
<b>Duplicate (BG31374-DUP1)</b>	Duplicate	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	ND	0.598	mg/kg dry		ND					35		
<b>Matrix Spike (BG31374-MS1)</b>	Matrix Spike	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	ND	0.598	mg/kg dry	23.9	ND		75-125	Low Bias				
<b>Matrix Spike Dup (BG31374-MS1)</b>	Matrix Spike Dup	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	ND	0.598	mg/kg dry	23.9	ND		75-125	Low Bias		200		
<b>Reference (BG31374-SRM1)</b>	Reference						Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	120		mg/L	227		52.8	42.3-157.7					
<b>Batch BG31407 - EPA SW846-3060</b>												
<b>Blank (BG31407-BLK1)</b>	Blank						Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	ND	0.500	mg/kg wet									
<b>Duplicate (BG31407-DUP1)</b>	Duplicate	*Source sample: 23G1101-01 (Duplicate)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	2.02	0.537	mg/kg dry		2.15					6.19	35	
<b>Matrix Spike (BG31407-MS1)</b>	Matrix Spike	*Source sample: 23G1101-01 (Matrix Spike)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	22.8	0.537	mg/kg dry	21.5	2.15	96.2	75-125					
<b>Matrix Spike Dup (BG31407-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1101-01 (Matrix Spike Dup)					Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	24.8	0.537	mg/kg dry	21.5	2.15	106	75-125			8.48	200	
<b>Reference (BG31407-SRM1)</b>	Reference						Prepared & Analyzed: 07/25/2023					
Chromium, Hexavalent	229		mg/L	227		101	42.3-157.7					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31156 - % Solids Prep**

<b>Duplicate (BG31156-DUP1)</b>	Duplicate	*Source sample: 23G0971-09 (RIB02_15.5-17.5)					Prepared: 07/20/2023 Analyzed: 07/21/2023					
% Solids	86.1	0.100	%		83.6				3.02	20		

**Batch BG31211 - % Solids Prep**

<b>Duplicate (BG31211-DUP1)</b>	Duplicate	*Source sample: 23G1130-01 (Duplicate)					Prepared & Analyzed: 07/21/2023					
% Solids	92.3	0.100	%		79.6				14.8	20		



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G0971-01	RIFB02_071823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G0971-03	RIB06_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0971-04	RIB06_10-12	40mL Vial with Stir Bar-Cool 4° C
23G0971-05	RIB06_15-16	40mL Vial with Stir Bar-Cool 4° C
23G0971-07	RIB05_15-16	40mL Vial with Stir Bar-Cool 4° C
23G0971-08	RIB02_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0971-09	RIB02_15.5-17.5	40mL Vial with Stir Bar-Cool 4° C
23G0971-10	RIB02_20-21	40mL Vial with Stir Bar-Cool 4° C
23G0971-11	RIB12_18-20	40mL Vial with Stir Bar-Cool 4° C
23G0971-12	RIB10_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0971-13	RIB10_10-12	40mL Vial with Stir Bar-Cool 4° C
23G0971-14	RIB10_18-20	40mL Vial with Stir Bar-Cool 4° C
23G0971-15	RIDUP02_071823	40mL Vial with Stir Bar-Cool 4° C
23G0971-17	RITB02_071823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. **2360971**

Page **1** of **2**

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company: <b>LANGIAN</b>	Company:	Address:		Address:		170 7581 07		RUSH - Next Day	
Address: <b>360 W 31st Street</b>	Address:	Phone:		Phone:		YOUR Project Name		RUSH - Two Day	
NYC, NY, 10001	Address:	E-mail:		E-mail:		224 3rd Avenue		RUSH - Three Day	
Phone: <b>212-474-6400</b>	Address:	E-mail:		E-mail:		YOUR PO#:		RUSH - Four Day	
Contact: <b>Albert Tashji</b>	Address:	E-mail:		E-mail:				RUSH - Five Day	
E-mail: <b>ATashji@Langian.com</b>	Address:	E-mail:		E-mail:				<b>Standard (6-9 Day)</b>	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

**Hi Reach** *aw/lu*

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	
DW - drinking water	Connecticut	CMDP	
WW - wastewater	Pennsylvania	Standard/Excel EDD	
O - Oil	Other:	NY ASP B Package	

Sample Matrix	Sample Identification	Date/Time Sampled	Analyses Requested	Container Type	No.
A2	RIB02 - 071823	7/18/23 1400	TCL/Part 375 VOCs & SVOCs		
S	RIB05 - 26-28 (HOLD)	0800	Part 375 PCBs Pesticides	HOLD	
	RIB06 - 0-2	0900	herbicides, TAL Metals including cyanide and hexavalent Arsenic		
	RIB06 - 10-12	0905	chromium, PFAS, and 1,4-dioxane		
	RIB06 - 15-16	0910			
	RIB06 - 25-27 (LM) (HOLD)	0915			
	RIB05 - 15-16	0945			
	RIB02 - 6-2	1045			
	RIB02 - 15.5 - 17.5 *	1100			
	RIB02 - 20-21	1105			

**Comments:** Please cc: Data management @Langian.com and Lmcconnell @Langian.com

Samples received/cleared at time of lab pickup? circle Yes or No

HCl	MeOH	HNO3	H2SO4	NaOH
ZnAc	Ascorbic Acid	Other:		

1. Samples Relinquished by / Company: **Hi Reach (Langian)** 07/18/23 1610  
Date/Time

2. Samples Received by / Company: **Victor D. Sark** 7/18/23 17:40  
Date/Time

3. Samples Relinquished by / Company: **Victor D. Sark** 7/18/23 1945  
Date/Time

4. Samples Relinquished by / Company: **Hi Reach** 7/18/23 1945  
Date/Time

Samples Received in LAB by: **Hi Reach** 7/18/23 1945  
Date/Time

Temperature: **20** Degrees C



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No.

2360971

Page 2 of 2

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company: LANGAN	Company:	Address:		Company:		170758101		RUSH - Next Day	
Address: 260 W 31st Street	Address:	Address:		Address:		YOUR Project Name		RUSH - Two Day	
NYC, NY, 10001	Address:	Address:		Address:		224 3rd Avenue		RUSH - Three Day	
Phone: 212-479-5400	Phone:	Address:		Address:		YOUR PO#:		RUSH - Four Day	
Contact: Albert Tashji	Contact:	Address:		Address:				RUSH - Five Day	
E-mail: ATashji@Langan.com	E-mail:	Address:		Address:				Standard (6-9 Day) <input checked="" type="checkbox"/>	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

*Ali Reach*

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	
DW - drinking water	Connecticut	<input type="checkbox"/> CMDP	
WW - wastewater	Pennsylvania	<input type="checkbox"/> Standard Excel EDD	
O - Oil	Other:	<input type="checkbox"/> NY ASP B Package	

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
RIB12-18-20	S	7/18/23 1215	TCL/Part 375 VOCs & SVOCs, Part 375 PCBs & Pesticides / Herbicides, TPA Metals including Cyanide and Hexavalent / Trivalent Chromium, L-PFAS, and 1,4-dioxane		
RIB10-0-2	S	1300			
RIB10-10-12	S	1305			
RIB10-18-20	S	1310			
RI DUPO2-071823	AZ	1430			
ECFB13-071823	AZ				
FTB02-071823	AZ				

**Comments:** Please cc: DataManagement@Langan.com and LMconnell@Langan.com

1. Samples Relinquished by / Company: Ali Reach (Langan) 7/18/23 1610  
 Date/Time: 7/18/23 12:40

2. Samples Received by / Company: Victor D. York  
 Date/Time: 7/18/23 1945

3. Samples Relinquished by / Company: Ali Reach (Langan) 7/18/23 1610  
 Date/Time: 7/18/23 1945

4. Samples Received by / Company: Victor D. York  
 Date/Time: 7/18/23 1945

Preservation: (check all that apply)  
 HCl MeOH HNO3 H2SO4 NaOH  
 ZnAc Ascorbic Acid Other:

Special Instruction: Field Filtered Lab to Filter

Temperature: 2.0 Degrees C



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 07/31/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1093

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/31/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1093

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 19, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1093-01	RIB08_8-10	Soil	07/19/2023	07/19/2023
23G1093-02	RIB08_13-15	Soil	07/19/2023	07/19/2023
23G1093-03	RIB08_21-23	Soil	07/19/2023	07/19/2023
23G1093-04	RIB07_8-10	Soil	07/19/2023	07/19/2023
23G1093-05	RIB07_21-22	Soil	07/19/2023	07/19/2023
23G1093-06	RIB07_13-15	Soil	07/19/2023	07/19/2023
23G1093-07	RIB01_W_15-16	Soil	07/19/2023	07/19/2023
23G1093-08	RIB01_W_17-18	Soil	07/19/2023	07/19/2023
23G1093-09	ECFB04_071923	Water	07/19/2023	07/19/2023
23G1093-10	RITB03_071923	Water	07/19/2023	07/19/2023

## **General Notes for York Project (SDG) No.: 23G1093**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 07/31/2023





### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 04:38	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 04:38	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
67-64-1	<b>Acetone</b>	<b>0.061</b>		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 04:38	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 9:45 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 04:38	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 04:38	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 9:45 am

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.233	0.465	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.233	0.465	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.0659</b>	J	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.116	0.232	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
206-44-0	<b>Fluoranthene</b>	<b>0.117</b>		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
85-01-8	<b>Phenanthrene</b>	<b>0.0892</b>	J	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
129-00-0	<b>Pyrene</b>	<b>0.0910</b>	J	mg/kg dry	0.0582	0.116	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH
110-86-1	Pyridine	ND		mg/kg dry	0.233	0.465	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:24	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	73.4 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	64.3 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.2 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	138 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.6 %	24-116



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 9:45 am

07/19/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 15:39	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	59.4 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.157	0.250	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0748	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.148	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.252	0.258	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.243	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.236	0.262	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.267	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.279	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.230	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.176	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.145	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.209	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.274	0.282	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.154	0.564	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.206	0.282	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.219	0.282	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	0.272	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.839	1.07	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.07	1.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.154	1.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 20:50	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.196	0.502	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.272	0.564	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0875	0.564	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.135	0.564	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.221	0.265	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.839	1.06	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.858	1.13	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.439	1.07	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.347	1.06	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.245	1.07	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.238	0.274	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.175	0.271	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.894	1.41	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.96	7.05	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.12	7.05	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.862	2.82	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ



**Sample Information**

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.254	0.282	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.983	2.82	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.279	0.282	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 20:50	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	133 %	25-150
Surrogate: M5PFHxA	127 %	25-150
Surrogate: M4PFHpA	145 %	25-150
Surrogate: M3PFHxS	139 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %	25-150
Surrogate: M6PFDA	109 %	25-150
Surrogate: M7PFUdA	82.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	79.6 %	25-150
Surrogate: M2PFTeDA	64.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	42.9 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	111 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	133 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	101 %	10-150
Surrogate: d3-N-MeFOSAA	83.8 %	25-150
Surrogate: d5-N-EtFOSAA	96.2 %	25-150
Surrogate: M2-6:2 FTS	137 %	25-200
Surrogate: M2-8:2 FTS	96.9 %	25-200
Surrogate: M9PFNA	99.2 %	25-150
Surrogate: M2-4:2 FTS	140 %	25-150
Surrogate: d-N-MeFOSA	74.9 %	25-150
Surrogate: d-N-EtFOSA	51.0 %	25-150
Surrogate: M3HFPO-DA	135 %	25-150
Surrogate: d9-N-EtFOSE	57.2 %	25-150
Surrogate: d7-N-MeFOSE	51.4 %	25-150



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 21:52	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.228	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 21:52	BCJ



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0457	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 21:52	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	70.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:05	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0231	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 03:05	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	88.0 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0275	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 18:57	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0275	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 18:57	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0275	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 18:57	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 9:45 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 68.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7730		mg/kg dry	5.90	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-36-0	Antimony	6.47		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-38-2	Arsenic	24.9		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-39-3	Barium	238		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-41-7	Beryllium	0.544		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-70-2	Calcium	49800		mg/kg dry	5.90	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-47-3	Chromium	65.5	M-CCV 1	mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-48-4	Cobalt	13.5		mg/kg dry	0.472	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-50-8	Copper	111		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7439-89-6	Iron	31900		mg/kg dry	29.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7439-92-1	Lead	832		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7439-95-4	Magnesium	3540		mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7439-96-5	Manganese	676		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-02-0	Nickel	47.8		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-09-7	Potassium	1580	B	mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-22-4	Silver	ND		mg/kg dry	0.595	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG



### Sample Information

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 9:45 am

07/19/2023

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	594		mg/kg dry	59.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-28-0	Thallium	21.6		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-62-2	Vanadium	43.1		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG
7440-66-6	Zinc	254		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:24	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	3.10		mg/kg dry	0.0425	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 18:41	07/26/2023 20:22	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.708	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	65.5		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.708	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB08\_8-10

**York Sample ID:** 23G1093-01

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 9:45 am

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	70.6		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:04	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:04	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0031</b>	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
67-64-1	<b>Acetone</b>	<b>0.062</b>		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:04	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:04	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:04	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.0551</b>	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
83-32-9	<b>Acenaphthene</b>	<b>0.178</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
120-12-7	<b>Anthracene</b>	<b>0.424</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>1.10</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.988		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
205-99-2	Benzo(b)fluoranthene	1.23		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
191-24-2	Benzo(g,h,i)perylene	0.515		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
207-08-9	Benzo(k)fluoranthene	0.465		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
86-74-8	Carbazole	0.117		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
218-01-9	Chrysene	1.14		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
53-70-3	Dibenzo(a,h)anthracene	0.152		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
132-64-9	Dibenzofuran	0.146		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
206-44-0	Fluoranthene	2.76		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	<b>Fluorene</b>	<b>0.110</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.564</b>	CCVE	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
91-20-3	<b>Naphthalene</b>	<b>0.0687</b>	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
85-01-8	<b>Phenanthrene</b>	<b>2.43</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
129-00-0	<b>Pyrene</b>	<b>2.20</b>		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 21:55	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	77.6 %		20-108
13127-88-3	Surrogate: SURR: Phenol-d6	69.5 %		23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.4 %		22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.8 %		21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	139 %	S-08	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.9 %		24-116





**Sample Information**

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 15:56	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	66.3 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.134	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0640	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.127	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.216	0.221	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.208	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.202	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.228	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.231	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.239	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.197	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.151	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.124	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.179	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.234	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.132	0.483	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.176	0.242	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.187	0.242	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.231	0.233	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.719	0.918	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.912	0.928	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.132	0.966	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:02	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.168	0.430	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.233	0.483	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0749	0.483	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.116	0.483	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.190	0.227	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.719	0.906	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.734	0.966	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.376	0.913	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.297	0.903	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.210	0.913	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.204	0.234	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.150	0.232	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.766	1.21	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.53	6.04	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.81	6.04	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.738	2.42	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.217	0.242	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.842	2.42	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.239	0.242	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:02	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	112 %	25-150
Surrogate: M5PFHxA	145 %	25-150
Surrogate: M4PFHpA	123 %	25-150
Surrogate: M3PFHxS	106 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	134 %	25-150
Surrogate: M6PFDA	72.7 %	25-150
Surrogate: M7PFUdA	85.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	67.4 %	25-150
Surrogate: M2PFTeDA	58.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	28.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	167 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	123 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	119 %	10-150
Surrogate: d3-N-MeFOSAA	103 %	25-150
Surrogate: d5-N-EtFOSAA	134 %	25-150
Surrogate: M2-6:2 FTS	131 %	25-200
Surrogate: M2-8:2 FTS	81.4 %	25-200
Surrogate: M9PFNA	133 %	25-150
Surrogate: M2-4:2 FTS	90.0 %	25-150
Surrogate: d-N-MeFOSA	43.6 %	25-150
Surrogate: d-N-EtFOSA	33.3 %	25-150
Surrogate: M3HFPO-DA	134 %	25-150
Surrogate: d9-N-EtFOSE	45.2 %	25-150
Surrogate: d7-N-MeFOSE	55.3 %	25-150



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
319-85-7	beta-BHC	ND	P	mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 22:10	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:10	BCJ



Sample Information

Client Sample ID: RIB08\_13-15

York Sample ID: 23G1093-02

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:00 am

07/19/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and surrogate recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, and Total PCBs, along with surrogate recoveries.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, along with surrogate recoveries.



### Sample Information

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 39.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9210		mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-36-0	Antimony	3.55		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-38-2	Arsenic	10.5		mg/kg dry	1.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-39-3	Barium	71.4		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-41-7	Beryllium	0.272		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.304	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-70-2	Calcium	15100		mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-47-3	Chromium	16.8	M-CCV 1	mg/kg dry	0.508	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-48-4	Cobalt	6.86		mg/kg dry	0.405	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-50-8	Copper	19.6		mg/kg dry	2.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7439-89-6	Iron	16700		mg/kg dry	25.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7439-92-1	Lead	137		mg/kg dry	0.508	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7439-95-4	Magnesium	2760		mg/kg dry	5.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7439-96-5	Manganese	187		mg/kg dry	0.508	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-02-0	Nickel	22.1		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-09-7	Potassium	1670	B	mg/kg dry	5.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-22-4	Silver	ND		mg/kg dry	0.511	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG



**Sample Information**

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:00 am	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	340		mg/kg dry	50.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-28-0	Thallium	9.77		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-62-2	Vanadium	22.5		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG
7440-66-6	Zinc	48.3		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:26	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.213		mg/kg dry	0.0365	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 18:41	07/26/2023 20:34	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.609	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.8		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.609	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB08\_13-15

**York Sample ID:** 23G1093-02

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 10:00 am

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.1		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 07:16	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 07:16	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.087	0.17	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
78-93-3	<b>2-Butanone</b>	<b>0.0054</b>	J	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 10:10 am

Date Received  
07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
67-64-1	<b>Acetone</b>	<b>0.086</b>		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.011</b>		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 07:16	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:10 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 07:16	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.026	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 07:16	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
62-53-3	Aniline	ND		mg/kg dry	0.304	0.607	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
92-87-5	Benzidine	ND		mg/kg dry	0.304	0.607	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.152	0.303	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
108-95-2	Phenol	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0760	0.152	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH
110-86-1	Pyridine	ND		mg/kg dry	0.304	0.607	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:26	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	53.8 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	142 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	95.2 %	24-116



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 16:13	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.2 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.204	0.325	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0974	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.193	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.329	0.336	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.316	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.307	0.342	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.347	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.351	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.364	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.300	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.230	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.189	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.272	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.357	0.368	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.200	0.735	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.268	0.368	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:10 am

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.285	0.368	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.351	0.355	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.09	1.40	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.39	1.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.200	1.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:14	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.256	0.654	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.355	0.735	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.114	0.735	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.176	0.735	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.289	0.346	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	1.09	1.38	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	1.12	1.47	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.572	1.39	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.452	1.38	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.320	1.39	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.311	0.357	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.228	0.353	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.17	1.84	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.86	9.19	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.76	9.19	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	1.12	3.68	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ



**Sample Information**

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.331	0.368	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.28	3.68	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.364	0.368	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:14	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	125 %	25-150
Surrogate: M5PFHxA	159 %	25-150
Surrogate: M4PFHpA	142 %	25-150
Surrogate: M3PFHxS	126 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	129 %	25-150
Surrogate: M6PFDA	167 %	25-150
Surrogate: M7PFUdA	126 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	139 %	25-150
Surrogate: M2PFTeDA	119 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	84.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	148 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	142 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	115 %	10-150
Surrogate: d3-N-MeFOSAA	197 %	25-150
Surrogate: d5-N-EtFOSAA	283 %	25-150
Surrogate: M2-6:2 FTS	241 %	25-200
Surrogate: M2-8:2 FTS	237 %	25-200
Surrogate: M9PFNA	119 %	25-150
Surrogate: M2-4:2 FTS	169 %	25-150
Surrogate: d-N-MeFOSA	90.6 %	25-150
Surrogate: d-N-EtFOSA	83.5 %	25-150
Surrogate: M3HFPO-DA	136 %	25-150
Surrogate: d9-N-EtFOSE	74.7 %	25-150
Surrogate: d7-N-MeFOSE	95.7 %	25-150



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 22:28	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.303	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:28	BCJ



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0606	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 22:28	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	86.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.7 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:32	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0306	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 03:32	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	89.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	87.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0364	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:33	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0364	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:33	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0364	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:33	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 42.4 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	27200		mg/kg dry	7.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-36-0	Antimony	16.2		mg/kg dry	3.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-38-2	Arsenic	40.4		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-39-3	Barium	52.1		mg/kg dry	3.83	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-41-7	Beryllium	0.984		mg/kg dry	0.077	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-70-2	Calcium	3060		mg/kg dry	7.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-47-3	Chromium	43.8	M-CCV 1	mg/kg dry	0.768	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-48-4	Cobalt	13.5		mg/kg dry	0.613	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-50-8	Copper	15.3		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7439-89-6	Iron	57500		mg/kg dry	38.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7439-92-1	Lead	43.9		mg/kg dry	0.768	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7439-95-4	Magnesium	8450		mg/kg dry	7.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7439-96-5	Manganese	460		mg/kg dry	0.768	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-02-0	Nickel	37.1		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-09-7	Potassium	5440	B	mg/kg dry	7.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-22-4	Silver	ND		mg/kg dry	0.774	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG



### Sample Information

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 10:10 am	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	2020		mg/kg dry	76.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-28-0	Thallium	41.7		mg/kg dry	3.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-62-2	Vanadium	46.7		mg/kg dry	1.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG
7440-66-6	Zinc	93.4		mg/kg dry	3.82	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:28	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0553	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 18:41	07/26/2023 20:44	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.921	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	43.8		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.921	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 14:32	07/21/2023 21:57	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB08\_21-23

**York Sample ID:** 23G1093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 10:10 am

07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	54.3		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs
							Certifications:	CTDOH-PH-0723		





### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:30	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 11:00 am

Date Received  
07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 05:30	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC



### Sample Information

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**York Sample ID:** 23G1093-04

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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 05:30	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 05:30	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.128</b>		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.139		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
205-99-2	Benzo(b)fluoranthene	0.167		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
191-24-2	Benzo(g,h,i)perylene	0.0771	J	mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
207-08-9	Benzo(k)fluoranthene	0.0654	J	mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
218-01-9	Chrysene	0.147		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
206-44-0	Fluoranthene	0.263		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH



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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0841</b>	CCVE, J	mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
85-01-8	<b>Phenanthrene</b>	<b>0.159</b>		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
129-00-0	<b>Pyrene</b>	<b>0.241</b>		mg/kg dry	0.0488	0.0975	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 22:57	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.5 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	55.4 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.5 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.2 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	141 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.5 %	24-116



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:00 am

07/19/2023

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/27/2023 08:21	07/28/2023 16:31	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	66.6 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.128	0.204	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0612	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.121	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.207	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.198	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.193	0.215	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.220	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.228	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.188	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.144	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.171	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.224	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.126	0.462	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.168	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ





### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.179	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.220	0.223	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.687	0.877	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.871	0.886	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.126	0.923	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:27	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.160	0.411	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.223	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0715	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.181	0.217	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.687	0.865	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.702	0.923	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.359	0.872	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.284	0.863	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.201	0.872	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.195	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.143	0.222	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.732	1.15	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.42	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.73	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.705	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ



**Sample Information**

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.208	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.804	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.228	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:27	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	125 %	25-150
Surrogate: M5PFHxA	159 %	25-150
Surrogate: M4PFHpA	151 %	25-150
Surrogate: M3PFHxS	105 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	112 %	25-150
Surrogate: M6PFDA	113 %	25-150
Surrogate: M7PFUdA	83.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.0 %	25-150
Surrogate: M2PFTeDA	65.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	38.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	121 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	147 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	120 %	10-150
Surrogate: d3-N-MeFOSAA	96.8 %	25-150
Surrogate: d5-N-EtFOSAA	122 %	25-150
Surrogate: M2-6:2 FTS	126 %	25-200
Surrogate: M2-8:2 FTS	116 %	25-200
Surrogate: M9PFNA	119 %	25-150
Surrogate: M2-4:2 FTS	115 %	25-150
Surrogate: d-N-MeFOSA	72.0 %	25-150
Surrogate: d-N-EtFOSA	41.5 %	25-150
Surrogate: M3HFPO-DA	137 %	25-150
Surrogate: d9-N-EtFOSE	39.5 %	25-150
Surrogate: d7-N-MeFOSE	46.3 %	25-150



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 22:46	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
53494-70-5	Endrin ketone	ND	P	mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 22:46	BCJ



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 22:46	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	73.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 03:46	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 03:46	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	92.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	95.0 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:44	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:44	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:44	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 50.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7140		mg/kg dry	4.88	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-38-2	Arsenic	7.62		mg/kg dry	1.47	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-39-3	Barium	61.6		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-41-7	Beryllium	0.148		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.293	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-70-2	Calcium	29400		mg/kg dry	4.89	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-47-3	Chromium	13.7	M-CCV 1	mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-48-4	Cobalt	6.34		mg/kg dry	0.390	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-50-8	Copper	17.7		mg/kg dry	1.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7439-89-6	Iron	11500		mg/kg dry	24.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7439-92-1	Lead	74.8		mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7439-95-4	Magnesium	3220		mg/kg dry	4.89	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7439-96-5	Manganese	185		mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-02-0	Nickel	26.1		mg/kg dry	0.973	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-09-7	Potassium	1510	B	mg/kg dry	4.89	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-22-4	Silver	ND		mg/kg dry	0.492	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG



### Sample Information

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:00 am	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	397		mg/kg dry	48.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-28-0	Thallium	6.60		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-62-2	Vanadium	19.6		mg/kg dry	0.973	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG
7440-66-6	Zinc	45.6		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:30	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.296		mg/kg dry	0.0352	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 19:38	07/26/2023 23:28	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.586	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.7		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.586	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 14:47	07/25/2023 22:18	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB07\_8-10

**York Sample ID:** 23G1093-04

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 11:00 am

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	85.3		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 20:14	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 20:14	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.085	0.17	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
78-93-3	<b>2-Butanone</b>	<b>0.013</b>	CCVE	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
67-64-1	<b>Acetone</b>	<b>0.17</b>	CCVE	mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/24/2023 10:08	07/24/2023 20:14	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:10 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/24/2023 10:08	07/24/2023 20:14	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.025	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/24/2023 10:08	07/24/2023 20:14	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 11:10 am

Date Received  
07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
62-53-3	Aniline	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
92-87-5	Benzidine	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
108-95-2	Phenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH
110-86-1	Pyridine	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:27	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	33.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	39.1 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	37.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	103 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.3 %	24-116



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 18:10	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.2 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.178	0.283	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.141</b>	J	ug/kg dry	0.0849	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.168	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.287	0.293	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.275	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.267	0.298	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.303	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.306	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.317	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.261	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.200	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.165	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.237	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.311	0.320	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.175	0.640	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.234	0.320	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.248	0.320	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.306	0.309	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.953	1.22	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.21	1.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.175	1.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:39	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.223	0.570	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.309	0.640	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0993	0.640	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.154	0.640	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.251	0.301	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.953	1.20	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.973	1.28	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.498	1.21	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.394	1.20	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.279	1.21	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.271	0.311	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.199	0.307	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.02	1.60	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.36	8.01	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.40	8.01	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.978	3.20	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ



**Sample Information**

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:10 am

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.288	0.320	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.12	3.20	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.317	0.320	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:39	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	35.8 %	25-150
Surrogate: M5PFHxA	30.9 %	25-150
Surrogate: M4PFHpA	27.5 %	25-150
Surrogate: M3PFHxS	33.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	29.1 %	25-150
Surrogate: M6PFDA	27.4 %	25-150
Surrogate: M7PFUdA	26.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	15.8 %	25-150
Surrogate: M2PFTeDA	24.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	23.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	44.2 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	27.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	36.8 %	10-150
Surrogate: d3-N-MeFOSAA	35.2 %	25-150
Surrogate: d5-N-EtFOSAA	47.1 %	25-150
Surrogate: M2-6:2 FTS	31.1 %	25-200
Surrogate: M2-8:2 FTS	26.4 %	25-200
Surrogate: M9PFNA	19.4 %	25-150
Surrogate: M2-4:2 FTS	26.1 %	25-150
Surrogate: d-N-MeFOSA	11.6 %	25-150
Surrogate: d-N-EtFOSA	13.5 %	25-150
Surrogate: M3HFPO-DA	22.7 %	25-150
Surrogate: d9-N-EtFOSE	18.0 %	25-150
Surrogate: d7-N-MeFOSE	20.6 %	25-150



### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 23:04	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.264	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:04	BCJ





### Sample Information

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0528	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 23:04	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	90.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.6 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:00	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0267	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 04:00	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	100 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	97.0 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0313	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:55	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0313	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:55	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0313	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 15:55	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 33.6 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	37700		mg/kg dry	6.71	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-36-0	Antimony	12.7		mg/kg dry	3.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-38-2	Arsenic	25.9		mg/kg dry	2.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-39-3	Barium	123		mg/kg dry	3.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-41-7	Beryllium	1.49		mg/kg dry	0.068	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.403	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-70-2	Calcium	3090		mg/kg dry	6.71	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-47-3	Chromium	60.4		mg/kg dry	0.672	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-48-4	Cobalt	21.6		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-50-8	Copper	54.6		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7439-89-6	Iron	44200		mg/kg dry	33.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7439-92-1	Lead	76.9		mg/kg dry	0.672	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7439-95-4	Magnesium	9500		mg/kg dry	6.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7439-96-5	Manganese	676		mg/kg dry	0.672	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-02-0	Nickel	96.5		mg/kg dry	1.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-09-7	Potassium	4930	B	mg/kg dry	6.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7782-49-2	Selenium	ND		mg/kg dry	3.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-22-4	Silver	ND		mg/kg dry	0.676	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG



**Sample Information**

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:10 am	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1280		mg/kg dry	67.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-28-0	Thallium	21.8		mg/kg dry	3.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-62-2	Vanadium	74.3		mg/kg dry	1.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG
7440-66-6	Zinc	130		mg/kg dry	3.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:39	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.173		mg/kg dry	0.0483	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 19:38	07/26/2023 23:28	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.805	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	60.4		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.805	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 14:47	07/25/2023 22:18	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB07\_21-22

**York Sample ID:** 23G1093-05

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 11:10 am

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	62.1		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:23	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:23	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
67-64-1	<b>Acetone</b>	<b>0.044</b>		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:23	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:23	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:23	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
62-53-3	Aniline	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
108-95-2	Phenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/26/2023 23:58	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	52.0 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	46.7 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	58.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	134 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.1 %	24-116



Sample Information

Client Sample ID: RIB07\_13-15

York Sample ID: 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for 1,4-Dioxane and Surrogate Recoveries.

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds and their results.



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.190	0.245	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.234	0.237	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.730	0.932	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.926	0.942	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:51	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.134	0.981	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 21:51	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.171	0.437	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.237	0.491	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0761	0.491	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.118	0.491	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.193	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.730	0.920	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.746	0.981	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.381	0.927	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.302	0.918	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.213	0.927	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.207	0.238	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.152	0.236	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.778	1.23	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.57	6.13	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.84	6.13	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.750	2.45	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ



**Sample Information**

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.221	0.245	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.855	2.45	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.243	0.245	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 21:51	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	65.5 %	25-150
Surrogate: M5PFHxA	77.6 %	25-150
Surrogate: M4PFHpA	68.5 %	25-150
Surrogate: M3PFHxS	66.7 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	74.0 %	25-150
Surrogate: M6PFDA	67.3 %	25-150
Surrogate: M7PFUdA	55.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	56.9 %	25-150
Surrogate: M2PFTeDA	64.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	57.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	88.0 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	67.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	75.5 %	10-150
Surrogate: d3-N-MeFOSAA	74.9 %	25-150
Surrogate: d5-N-EtFOSAA	100 %	25-150
Surrogate: M2-6:2 FTS	62.4 %	25-200
Surrogate: M2-8:2 FTS	56.2 %	25-200
Surrogate: M9PFNA	86.4 %	25-150
Surrogate: M2-4:2 FTS	55.2 %	25-150
Surrogate: d-N-MeFOSA	62.7 %	25-150
Surrogate: d-N-EtFOSA	52.1 %	25-150
Surrogate: M3HFPO-DA	58.0 %	25-150
Surrogate: d9-N-EtFOSE	58.7 %	25-150
Surrogate: d7-N-MeFOSE	53.8 %	25-150



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 23:22	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.204	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:22	BCJ



### Sample Information

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 11:05 am

07/19/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0408	5	EPA 8081B	07/25/2023 12:06	07/25/2023 23:22	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	80.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.0 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0206	1	EPA 8082A	07/25/2023 12:06	07/27/2023 04:13	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	102 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0248	1	EPA 8151A	07/24/2023 18:00	07/25/2023 16:05	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0248	1	EPA 8151A	07/24/2023 18:00	07/25/2023 16:05	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0248	1	EPA 8151A	07/24/2023 18:00	07/25/2023 16:05	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 51.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6260		mg/kg dry	5.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-36-0	Antimony	2.84		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-38-2	Arsenic	7.25		mg/kg dry	1.56	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-39-3	Barium	37.4		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-41-7	Beryllium	0.086		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.312	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-70-2	Calcium	2490		mg/kg dry	5.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-47-3	Chromium	13.8		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-48-4	Cobalt	5.62		mg/kg dry	0.416	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-50-8	Copper	11.6		mg/kg dry	2.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7439-89-6	Iron	11400		mg/kg dry	26.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7439-92-1	Lead	22.7		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7439-95-4	Magnesium	2740		mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7439-96-5	Manganese	152		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-02-0	Nickel	17.3		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-09-7	Potassium	1580	B	mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-22-4	Silver	ND		mg/kg dry	0.524	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG



**Sample Information**

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 11:05 am	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	316		mg/kg dry	52.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-28-0	Thallium	6.34		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-62-2	Vanadium	19.0		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG
7440-66-6	Zinc	29.9		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:41	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0375	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 19:38	07/26/2023 23:28	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.624	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.8		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.624	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 14:47	07/25/2023 22:18	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB07\_13-15

**York Sample ID:** 23G1093-06

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 11:05 am

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.1		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/24/2023 12:53	07/24/2023 15:51	sgs



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:15 pm	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 18:43	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 18:43	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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Soil

July 19, 2023 1:15 pm

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
67-64-1	<b>Acetone</b>	<b>0.011</b>		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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170758101

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July 19, 2023 1:15 pm

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
98-82-8	<b>Isopropylbenzene</b>	<b>0.0044</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
104-51-8	<b>n-Butylbenzene</b>	<b>0.019</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
103-65-1	<b>n-Propylbenzene</b>	<b>0.019</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
99-87-6	<b>p-Isopropyltoluene</b>	<b>0.0023</b>	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
135-98-8	<b>sec-Butylbenzene</b>	<b>0.0069</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 18:43	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

York Project (SDG) No.

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07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 18:43	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 18:43	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>0.0738</b>	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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170758101

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July 19, 2023 1:15 pm

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.120</b>		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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170758101

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July 19, 2023 1:15 pm

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.124		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
205-99-2	Benzo(b)fluoranthene	0.154		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
191-24-2	Benzo(g,h,i)perylene	0.0987		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
207-08-9	Benzo(k)fluoranthene	0.0550	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
218-01-9	Chrysene	0.127		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
206-44-0	Fluoranthene	0.240		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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July 19, 2023 1:15 pm

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0949</b>	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
85-01-8	<b>Phenanthrene</b>	<b>0.221</b>		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
129-00-0	<b>Pyrene</b>	<b>0.224</b>		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:29	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	65.9 %		20-108
13127-88-3	Surrogate: SURR: Phenol-d6	58.3 %		23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.6 %		22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.2 %		21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	156 %	S-08	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	103 %		24-116



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

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Soil

July 19, 2023 1:15 pm

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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 18:45	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	65.5 %			39-127.5					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.128	0.204	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0612	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.121	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.207	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.262</b>		ug/kg dry	0.199	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.193	0.215	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.221	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.229	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.188	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.144	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.171	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.224	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.126	0.462	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.169	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ





### Sample Information

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**York Sample ID:** 23G1093-07

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July 19, 2023 1:15 pm

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.179	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.221	0.223	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.687	0.878	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.872	0.887	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.126	0.924	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:03	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.160	0.411	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.223	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0716	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.181	0.217	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.687	0.866	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.702	0.924	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.359	0.873	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.284	0.864	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.201	0.873	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.195	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.143	0.222	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.732	1.15	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.42	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.73	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.706	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ



**Sample Information**

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:15 pm

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.208	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.805	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.229	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:03	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	36.8 %	25-150
Surrogate: M5PFHxA	37.1 %	25-150
Surrogate: M4PFHpA	44.9 %	25-150
Surrogate: M3PFHxS	37.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	32.7 %	25-150
Surrogate: M6PFDA	41.5 %	25-150
Surrogate: M7PFUdA	41.6 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	50.0 %	25-150
Surrogate: M2PFTeDA	49.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	27.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	56.7 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	33.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	40.0 %	10-150
Surrogate: d3-N-MeFOSAA	43.3 %	25-150
Surrogate: d5-N-EtFOSAA	67.2 %	25-150
Surrogate: M2-6:2 FTS	34.7 %	25-200
Surrogate: M2-8:2 FTS	32.8 %	25-200
Surrogate: M9PFNA	38.0 %	25-150
Surrogate: M2-4:2 FTS	32.5 %	25-150
Surrogate: d-N-MeFOSA	33.1 %	25-150
Surrogate: d-N-EtFOSA	30.3 %	25-150
Surrogate: M3HFPO-DA	30.9 %	25-150
Surrogate: d9-N-EtFOSE	41.8 %	25-150
Surrogate: d7-N-MeFOSE	45.9 %	25-150



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:15 pm	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 23:40	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:40	BCJ



### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:15 pm	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 23:40	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	78.6 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.8 %		30-150						

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:27	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 04:27	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	79.5 %		30-120						

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:38	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:38	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:38	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						



**Sample Information**

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:15 pm

07/19/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 54.0 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6590		mg/kg dry	4.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-36-0	Antimony	2.83		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-38-2	Arsenic	7.92		mg/kg dry	1.45	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-39-3	Barium	162		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-41-7	Beryllium	0.128		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.291	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-70-2	Calcium	4810		mg/kg dry	4.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-47-3	Chromium	18.2		mg/kg dry	0.485	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-48-4	Cobalt	6.86		mg/kg dry	0.388	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-50-8	Copper	18.8		mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7439-89-6	Iron	13200		mg/kg dry	24.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7439-92-1	Lead	1270		mg/kg dry	0.485	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7439-95-4	Magnesium	3040		mg/kg dry	4.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7439-96-5	Manganese	198		mg/kg dry	0.485	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-02-0	Nickel	27.1		mg/kg dry	0.966	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-09-7	Potassium	1370	B	mg/kg dry	4.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-22-4	Silver	ND		mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG





### Sample Information

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:15 pm	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	149		mg/kg dry	48.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-28-0	Thallium	7.07		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-62-2	Vanadium	23.8		mg/kg dry	0.966	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG
7440-66-6	Zinc	85.8		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:44	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	7.10		mg/kg dry	0.0349	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 19:38	07/26/2023 23:28	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.582	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.2		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.582	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 14:47	07/25/2023 22:18	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB01\_W\_15-16

**York Sample ID:** 23G1093-07

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 1:15 pm

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	85.9		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs	
							Certifications:	CTDOH-PH-0723			



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**VOA, 8260 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:50	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:50	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.11	0.21	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 1:30 pm

Date Received  
07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
67-64-1	<b>Acetone</b>	<b>0.020</b>	J	mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.0060</b>	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
110-82-7	<b>Cyclohexane</b>	<b>0.015</b>		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 1:30 pm

Date Received  
07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2023 13:24	07/22/2023 06:50	BMC



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:30 pm

07/19/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/21/2023 13:24	07/22/2023 06:50	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/21/2023 13:24	07/22/2023 06:50	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:30 pm

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
62-53-3	Aniline	ND		mg/kg dry	0.323	0.645	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
92-87-5	Benzidine	ND		mg/kg dry	0.323	0.645	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.161	0.322	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:30 pm

07/19/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCVE	mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
108-95-2	Phenol	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0808	0.161	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH
110-86-1	Pyridine	ND		mg/kg dry	0.323	0.645	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 20:30	07/27/2023 00:59	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	56.1 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	51.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.2 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	144 %	S-08 19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.8 %	24-116



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 19:02	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.6 %	39-127.5							

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.214	0.342	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.102	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.203	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.346	0.353	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.332	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.322	0.359	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.365	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.369	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.382	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.315	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.241	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.199	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.286	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.375	0.386	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.210	0.772	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.282	0.386	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:30 pm

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.299	0.386	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.369	0.373	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.15	1.47	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.46	1.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.210	1.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 22:16	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.268	0.687	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.373	0.772	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.120	0.772	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.185	0.772	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.303	0.363	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	1.15	1.45	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	1.17	1.54	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.601	1.46	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.475	1.44	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.336	1.46	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.326	0.375	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.239	0.371	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.22	1.93	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	4.05	9.65	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.90	9.65	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	1.18	3.86	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ



**Sample Information**

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.348	0.386	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	1.35	3.86	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.382	0.386	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 22:16	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	67.6 %	25-150
Surrogate: M5PFHxA	45.1 %	25-150
Surrogate: M4PFHpA	37.2 %	25-150
Surrogate: M3PFHxS	62.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	38.9 %	25-150
Surrogate: M6PFDA	44.1 %	25-150
Surrogate: M7PFUdA	29.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	38.8 %	25-150
Surrogate: M2PFTeDA	33.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	31.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	55.3 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	39.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	43.5 %	10-150
Surrogate: d3-N-MeFOSAA	67.2 %	25-150
Surrogate: d5-N-EtFOSAA	82.8 %	25-150
Surrogate: M2-6:2 FTS	69.5 %	25-200
Surrogate: M2-8:2 FTS	71.7 %	25-200
Surrogate: M9PFNA	50.6 %	25-150
Surrogate: M2-4:2 FTS	56.4 %	25-150
Surrogate: d-N-MeFOSA	28.4 %	25-150
Surrogate: d-N-EtFOSA	23.6 %	25-150
Surrogate: M3HFPO-DA	32.4 %	25-150
Surrogate: d9-N-EtFOSE	18.3 %	25-150
Surrogate: d7-N-MeFOSE	24.0 %	25-150



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 12:06	07/25/2023 23:58	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.315	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 12:06	07/25/2023 23:58	BCJ



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0629	5	EPA 8081B Certifications:	07/25/2023 12:06	07/25/2023 23:58	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	76.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 12:06	07/27/2023 04:41	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0318	1	EPA 8082A Certifications:	07/25/2023 12:06	07/27/2023 04:41	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	79.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0379	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:48	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0379	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:48	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0379	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:00	07/25/2023 16:48	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Soil

July 19, 2023 1:30 pm

07/19/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 36.2 %				21-150					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	20300		mg/kg dry	8.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-36-0	Antimony	9.20		mg/kg dry	4.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-38-2	Arsenic	18.4		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-39-3	Barium	39.8		mg/kg dry	4.03	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-41-7	Beryllium	0.841		mg/kg dry	0.081	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.485	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-70-2	Calcium	3270		mg/kg dry	8.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-47-3	Chromium	30.4		mg/kg dry	0.808	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-48-4	Cobalt	10.2		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-50-8	Copper	10.8		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7439-89-6	Iron	31100		mg/kg dry	40.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7439-92-1	Lead	46.2		mg/kg dry	0.808	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7439-95-4	Magnesium	5350		mg/kg dry	8.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7439-96-5	Manganese	192		mg/kg dry	0.808	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-02-0	Nickel	27.1		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-09-7	Potassium	3770	B	mg/kg dry	8.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7782-49-2	Selenium	ND		mg/kg dry	4.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-22-4	Silver	ND		mg/kg dry	0.814	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG





### Sample Information

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 19, 2023 1:30 pm	<u>Date Received</u> 07/19/2023
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	3220		mg/kg dry	80.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-28-0	Thallium	19.4		mg/kg dry	4.04	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-62-2	Vanadium	44.6		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG
7440-66-6	Zinc	66.4		mg/kg dry	4.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 14:27	07/27/2023 16:47	CEG

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0582	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/26/2023 19:38	07/26/2023 23:28	AGNR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.969	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 14:18	07/25/2023 21:36	SMK

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	30.4		mg/kg	0.500	1	Calculation Certifications:	07/27/2023 07:02	07/28/2023 08:26	VR

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.969	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 14:47	07/25/2023 22:18	SL

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

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

**Client Sample ID:** RIB01\_W\_17-18

**York Sample ID:** 23G1093-08

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 19, 2023 1:30 pm

Date Received  
07/19/2023

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	51.6		%	0.100	1	SM 2540G	07/24/2023 12:53	07/24/2023 15:51	sgs
							Certifications:	CTDOH-PH-0723		



### Sample Information

**Client Sample ID:** ECFB04\_071923

**York Sample ID:** 23G1093-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Water

July 19, 2023 2:00 pm

07/19/2023

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.473	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.354</b>	J	ng/L	0.352	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.715	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.991</b>	J	ng/L	0.685	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.423	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.59</b>	J	ng/L	0.826	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.524	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.755	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.886	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.745	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.695	2.01	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.795	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.232	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.886	2.01	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.916	1.92	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.94	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.07	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.06	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.332	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ



### Sample Information

**Client Sample ID:** ECFB04\_071923

**York Sample ID:** 23G1093-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Water

July 19, 2023 2:00 pm

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	ND		ng/L	0.503	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.15	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.252	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.373	4.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.765	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.25	8.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.705	7.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
919005-14-4	ADONA	ND		ng/L	0.534	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 16:21	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.936	1.95	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.866	1.93	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.04	5.03	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.38	25.2	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.53	25.2	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.02	20.1	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.01	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.02	20.1	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.01	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 16:21	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

137 %

25-150

Surrogate: M5PFHxA

156 %

25-150

Surrogate: M4PFHpA

131 %

25-150

Surrogate: M3PFHxS

150 %

25-150



**Sample Information**

**Client Sample ID:** ECFB04\_071923

**York Sample ID:** 23G1093-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Water

July 19, 2023 2:00 pm

07/19/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	124 %			25-150						
	Surrogate: M6PFDA	106 %			25-150						
	Surrogate: M7PFUdA	92.2 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	79.3 %			25-150						
	Surrogate: M2PFTeDA	34.7 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	24.7 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	141 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	134 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	117 %			10-150						
	Surrogate: d3-N-MeFOSAA	89.6 %			25-150						
	Surrogate: d5-N-EtFOSAA	69.8 %			25-150						
	Surrogate: M2-6:2 FTS	141 %			25-200						
	Surrogate: M2-8:2 FTS	101 %			25-200						
	Surrogate: M9PFNA	149 %			25-150						
	Surrogate: M2-4:2 FTS	131 %			25-150						
	Surrogate: d-N-MeFOSA	59.1 %			25-150						
	Surrogate: d-N-EtFOSA	51.4 %			25-150						
	Surrogate: M3HFPO-DA	148 %			25-150						
	Surrogate: d9-N-EtFOSE	21.3 %			25-150						
	Surrogate: d7-N-MeFOSE	32.0 %			25-150						



### Sample Information

**Client Sample ID:** RITB03\_071923

**York Sample ID:** 23G1093-10

<u>York Project (SDG) No.</u> 23G1093	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 19, 2023 2:05 pm	<u>Date Received</u> 07/19/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG



### Sample Information

**Client Sample ID:** RITB03\_071923

**York Sample ID:** 23G1093-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Water

July 19, 2023 2:05 pm

07/19/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
67-64-1	<b>Acetone</b>	<b>6.65</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG



### Sample Information

**Client Sample ID:** RITB03\_071923

**York Sample ID:** 23G1093-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1093

170758101

Water

July 19, 2023 2:05 pm

07/19/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
75-09-2	<b>Methylene chloride</b>	<b>1.06</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/20/2023 06:27	07/20/2023 16:33	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG



**Sample Information**

**Client Sample ID:** RITB03\_071923

**York Sample ID:** 23G1093-10

York Project (SDG) No.  
23G1093

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 19, 2023 2:05 pm

Date Received  
07/19/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2023 06:27	07/20/2023 16:33	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/20/2023 06:27	07/20/2023 16:33	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	93.2 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.7 %	79-122								



## Analytical Batch Summary

**Batch ID:** BG30852      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/21/23
23G1093-02	RIB08_13-15	07/21/23
23G1093-03	RIB08_21-23	07/21/23
23G1093-04	RIB07_8-10	07/21/23
23G1093-06	RIB07_13-15	07/21/23
23G1093-08	RIB01_W_17-18	07/21/23
BG30852-BLK1	Blank	07/21/23
BG30852-BS1	LCS	07/21/23
BG30852-BSD1	LCS Dup	07/21/23

**Batch ID:** BG30854      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-05	RIB07_21-22	07/24/23
BG30854-BLK1	Blank	07/24/23
BG30854-BS1	LCS	07/24/23
BG30854-BSD1	LCS Dup	07/24/23

**Batch ID:** BG30860      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-07	RIB01_W_15-16	07/26/23
BG30860-BLK1	Blank	07/26/23
BG30860-BS1	LCS	07/26/23
BG30860-BSD1	LCS Dup	07/26/23

**Batch ID:** BG31153      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-10	RITB03_071923	07/20/23
BG31153-BLK1	Blank	07/20/23
BG31153-BS1	LCS	07/20/23
BG31153-BSD1	LCS Dup	07/20/23

**Batch ID:** BG31225      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/21/23
23G1093-02	RIB08_13-15	07/21/23
23G1093-03	RIB08_21-23	07/21/23
BG31225-BLK1	Blank	07/21/23
BG31225-DUP1	Duplicate	07/21/23
BG31225-MS1	Matrix Spike	07/21/23



BG31225-MSD1 Matrix Spike Dup 07/21/23  
 BG31225-SRM1 Reference 07/21/23

**Batch ID:** BG31260 **Preparation Method:** EPA 3550C/8151A **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/24/23
23G1093-02	RIB08_13-15	07/24/23
23G1093-03	RIB08_21-23	07/24/23
23G1093-04	RIB07_8-10	07/24/23
23G1093-05	RIB07_21-22	07/24/23
23G1093-06	RIB07_13-15	07/24/23
23G1093-07	RIB01_W_15-16	07/24/23
23G1093-08	RIB01_W_17-18	07/24/23
BG31260-BLK1	Blank	07/24/23
BG31260-BS1	LCS	07/24/23
BG31260-MS1	Matrix Spike	07/24/23
BG31260-MSD1	Matrix Spike Dup	07/24/23

**Batch ID:** BG31317 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/24/23
23G1093-02	RIB08_13-15	07/24/23
23G1093-03	RIB08_21-23	07/24/23
23G1093-04	RIB07_8-10	07/24/23
23G1093-05	RIB07_21-22	07/24/23
23G1093-06	RIB07_13-15	07/24/23
23G1093-07	RIB01_W_15-16	07/24/23
23G1093-08	RIB01_W_17-18	07/24/23
BG31317-DUP1	Duplicate	07/24/23

**Batch ID:** BG31352 **Preparation Method:** EPA 3550C **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/25/23
23G1093-02	RIB08_13-15	07/25/23
23G1093-03	RIB08_21-23	07/25/23
23G1093-04	RIB07_8-10	07/25/23
23G1093-05	RIB07_21-22	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
BG31352-BLK1	Blank	07/25/23
BG31352-BS1	LCS	07/25/23
BG31352-MS1	Matrix Spike	07/25/23
BG31352-MSD1	Matrix Spike Dup	07/25/23



Batch ID: BG31389

Preparation Method: EPA 3550C

Prepared By: kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/25/23
23G1093-01	RIB08_8-10	07/25/23
23G1093-02	RIB08_13-15	07/25/23
23G1093-02	RIB08_13-15	07/25/23
23G1093-03	RIB08_21-23	07/25/23
23G1093-03	RIB08_21-23	07/25/23
23G1093-04	RIB07_8-10	07/25/23
23G1093-04	RIB07_8-10	07/25/23
23G1093-05	RIB07_21-22	07/25/23
23G1093-05	RIB07_21-22	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
BG31389-BLK1	Blank	07/25/23
BG31389-BLK2	Blank	07/25/23
BG31389-BS1	LCS	07/25/23
BG31389-BS2	LCS	07/25/23
BG31389-MS1	Matrix Spike	07/25/23
BG31389-MS2	Matrix Spike	07/25/23
BG31389-MSD1	Matrix Spike Dup	07/25/23
BG31389-MSD2	Matrix Spike Dup	07/25/23

Batch ID: BG31400

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/25/23
23G1093-02	RIB08_13-15	07/25/23
23G1093-03	RIB08_21-23	07/25/23
23G1093-04	RIB07_8-10	07/25/23
23G1093-05	RIB07_21-22	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
BG31400-BLK1	Blank	07/25/23
BG31400-BS1	LCS	07/25/23
BG31400-BS2	LCS	07/25/23
BG31400-DUP1	Duplicate	07/25/23

Batch ID: BG31407

Preparation Method: EPA SW846-3060

Prepared By: SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/25/23
23G1093-02	RIB08_13-15	07/25/23
23G1093-03	RIB08_21-23	07/25/23
23G1093-04	RIB07_8-10	07/25/23



23G1093-05	RIB07_21-22	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
BG31407-BLK1	Blank	07/25/23
BG31407-DUP1	Duplicate	07/25/23
BG31407-MS1	Matrix Spike	07/25/23
BG31407-MSD1	Matrix Spike Dup	07/25/23
BG31407-SRM1	Reference	07/25/23

**Batch ID:** BG31415      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-04	RIB07_8-10	07/25/23
23G1093-05	RIB07_21-22	07/25/23
23G1093-06	RIB07_13-15	07/25/23
23G1093-07	RIB01_W_15-16	07/25/23
23G1093-08	RIB01_W_17-18	07/25/23
BG31415-BLK1	Blank	07/25/23
BG31415-DUP1	Duplicate	07/25/23
BG31415-MS1	Matrix Spike	07/25/23
BG31415-MSD1	Matrix Spike Dup	07/25/23
BG31415-SRM1	Reference	07/25/23

**Batch ID:** BG31430      **Preparation Method:** EPA 1633 Prep      **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-09	ECFB04_071923	07/26/23
BG31430-BLK1	Blank	07/26/23
BG31430-BS1	LCS	07/26/23
BG31430-BS2	LCS	07/26/23
BG31430-DUP1	Duplicate	07/26/23

**Batch ID:** BG31493      **Preparation Method:** EPA 3550C      **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-05	RIB07_21-22	07/26/23
23G1093-06	RIB07_13-15	07/26/23
23G1093-07	RIB01_W_15-16	07/26/23
23G1093-08	RIB01_W_17-18	07/26/23
BG31493-BLK1	Blank	07/26/23
BG31493-BS1	LCS	07/26/23
BG31493-MS1	Matrix Spike	07/26/23
BG31493-MSD1	Matrix Spike Dup	07/26/23

**Batch ID:** BG31503      **Preparation Method:** EPA 3050B      **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/26/23



23G1093-02	RIB08_13-15	07/26/23
23G1093-03	RIB08_21-23	07/26/23
23G1093-04	RIB07_8-10	07/26/23
23G1093-05	RIB07_21-22	07/26/23
23G1093-06	RIB07_13-15	07/26/23
23G1093-07	RIB01_W_15-16	07/26/23
23G1093-08	RIB01_W_17-18	07/26/23
BG31503-BLK1	Blank	07/26/23
BG31503-DUP1	Duplicate	07/26/23
BG31503-MS1	Matrix Spike	07/26/23
BG31503-PS1	Post Spike	07/26/23
BG31503-SRM1	Reference	07/26/23

**Batch ID:** BG31512      **Preparation Method:** EPA 3550C      **Prepared By:** JES

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/27/23
23G1093-02	RIB08_13-15	07/27/23
23G1093-03	RIB08_21-23	07/27/23
23G1093-04	RIB07_8-10	07/27/23
BG31512-BLK1	Blank	07/27/23
BG31512-BS1	LCS	07/27/23
BG31512-MS1	Matrix Spike	07/27/23
BG31512-MSD1	Matrix Spike Dup	07/27/23

**Batch ID:** BG31526      **Preparation Method:** EPA 7473 soil      **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/26/23
23G1093-02	RIB08_13-15	07/26/23
23G1093-03	RIB08_21-23	07/26/23
BG31526-BLK1	Blank	07/26/23
BG31526-DUP1	Duplicate	07/26/23
BG31526-MS1	Matrix Spike	07/26/23
BG31526-SRM1	Reference	07/26/23

**Batch ID:** BG31531      **Preparation Method:** EPA 7473 soil      **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-04	RIB07_8-10	07/26/23
23G1093-05	RIB07_21-22	07/26/23
23G1093-06	RIB07_13-15	07/26/23
23G1093-07	RIB01_W_15-16	07/26/23
23G1093-08	RIB01_W_17-18	07/26/23
BG31531-BLK1	Blank	07/26/23
BG31531-DUP1	Duplicate	07/26/23
BG31531-MS1	Matrix Spike	07/26/23
BG31531-SRM1	Reference	07/26/23



**Batch ID:** BG31533

**Preparation Method:** Analysis Preparation

**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1093-01	RIB08_8-10	07/27/23
23G1093-02	RIB08_13-15	07/27/23
23G1093-03	RIB08_21-23	07/27/23
23G1093-04	RIB07_8-10	07/27/23
23G1093-05	RIB07_21-22	07/27/23
23G1093-06	RIB07_13-15	07/27/23
23G1093-07	RIB01_W_15-16	07/27/23
23G1093-08	RIB01_W_17-18	07/27/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30852 - EPA 5035A**

Blank (BG30852-BLK1)	Blank	Prepared & Analyzed: 07/21/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30852 - EPA 5035A**

<b>Blank (BG30852-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/21/2023	
n-Butylbenzene	ND	0.0050	mg/kg wet										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<hr/>													
Surrogate: SURRE: 1,2-Dichloroethane-d4	51.0		ug/L	50.0		102	77-125						
Surrogate: SURRE: Toluene-d8	49.7		"	50.0		99.5	85-120						
Surrogate: SURRE: p-Bromofluorobenzene	56.8		"	50.0		114	76-130						

<b>LCS (BG30852-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/21/2023	
1,1,1,2-Tetrachloroethane	45.6		ug/L	50.0		91.2	75-129						
1,1,1-Trichloroethane	47.3		"	50.0		94.6	71-137						
1,1,2,2-Tetrachloroethane	48.6		"	50.0		97.2	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.1		"	50.0		100	58-146						
1,1,2-Trichloroethane	46.4		"	50.0		92.8	83-123						
1,1-Dichloroethane	46.1		"	50.0		92.3	75-130						
1,1-Dichloroethylene	50.0		"	50.0		100	64-137						
1,2,3-Trichlorobenzene	47.1		"	50.0		94.2	81-140						
1,2,3-Trichloropropane	48.5		"	50.0		97.1	81-126						
1,2,4-Trichlorobenzene	45.5		"	50.0		91.0	80-141						
1,2,4-Trimethylbenzene	47.0		"	50.0		93.9	84-125						
1,2-Dibromo-3-chloropropane	48.6		"	50.0		97.3	74-142						
1,2-Dibromoethane	48.1		"	50.0		96.3	86-123						
1,2-Dichlorobenzene	45.1		"	50.0		90.1	85-122						
1,2-Dichloroethane	48.3		"	50.0		96.6	71-133						
1,2-Dichloropropane	46.4		"	50.0		92.7	81-122						
1,3,5-Trimethylbenzene	46.7		"	50.0		93.4	82-126						
1,3-Dichlorobenzene	44.4		"	50.0		88.7	84-124						
1,4-Dichlorobenzene	44.6		"	50.0		89.2	84-124						
1,4-Dioxane	929		"	1050		88.5	10-228						
2-Butanone	47.9		"	50.0		95.9	58-147						
2-Hexanone	48.4		"	50.0		96.7	70-139						
4-Methyl-2-pentanone	38.8		"	50.0		77.5	72-132						
Acetone	44.8		"	50.0		89.5	36-155						
Acrolein	45.6		"	50.0		91.2	10-238						
Acrylonitrile	49.2		"	50.0		98.4	66-141						
Benzene	48.4		"	50.0		96.7	77-127						
Bromochloromethane	46.7		"	50.0		93.5	74-129						
Bromodichloromethane	44.4		"	50.0		88.8	81-124						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30852 - EPA 5035A</b>											
<b>LCS (BG30852-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/21/2023									
Bromoform	47.8		ug/L	50.0		95.7	80-136				
Bromomethane	49.1		"	50.0		98.2	32-177				
Carbon disulfide	47.5		"	50.0		95.0	10-136				
Carbon tetrachloride	45.4		"	50.0		90.7	66-143				
Chlorobenzene	45.9		"	50.0		91.9	86-120				
Chloroethane	49.4		"	50.0		98.8	51-142				
Chloroform	46.6		"	50.0		93.2	76-131				
Chloromethane	43.4		"	50.0		86.7	49-132				
cis-1,2-Dichloroethylene	46.9		"	50.0		93.7	74-132				
cis-1,3-Dichloropropylene	44.8		"	50.0		89.7	81-129				
Cyclohexane	48.7		"	50.0		97.3	70-130				
Dibromochloromethane	47.5		"	50.0		94.9	10-200				
Dibromomethane	45.6		"	50.0		91.2	83-124				
Dichlorodifluoromethane	43.9		"	50.0		87.7	28-158				
Ethyl Benzene	46.8		"	50.0		93.6	84-125				
Hexachlorobutadiene	43.6		"	50.0		87.1	83-133				
Isopropylbenzene	45.0		"	50.0		90.0	81-127				
Methyl acetate	45.5		"	50.0		91.0	41-143				
Methyl tert-butyl ether (MTBE)	49.6		"	50.0		99.1	74-131				
Methylcyclohexane	44.6		"	50.0		89.2	70-130				
Methylene chloride	51.0		"	50.0		102	57-141				
n-Butylbenzene	44.0		"	50.0		88.0	80-130				
n-Propylbenzene	43.4		"	50.0		86.9	74-136				
o-Xylene	45.7		"	50.0		91.3	83-123				
p- & m- Xylenes	91.8		"	100		91.8	82-128				
p-Isopropyltoluene	45.7		"	50.0		91.4	85-125				
sec-Butylbenzene	43.9		"	50.0		87.8	83-125				
Styrene	45.9		"	50.0		91.8	86-126				
tert-Butyl alcohol (TBA)	282		"	250		113	70-130				
tert-Butylbenzene	38.5		"	50.0		77.0	80-127	Low Bias			
Tetrachloroethylene	36.6		"	50.0		73.3	80-129	Low Bias			
Toluene	47.2		"	50.0		94.4	85-121				
trans-1,2-Dichloroethylene	47.2		"	50.0		94.5	72-132				
trans-1,3-Dichloropropylene	45.0		"	50.0		90.0	78-132				
Trichloroethylene	44.6		"	50.0		89.2	84-123				
Trichlorofluoromethane	47.0		"	50.0		93.9	62-140				
Vinyl Chloride	46.1		"	50.0		92.2	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.3</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.8</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30852 - EPA 5035A</b>											
LCS Dup (BG30852-BSD1)	LCS Dup										Prepared & Analyzed: 07/21/2023
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.4	75-129		1.31	30	
1,1,1-Trichloroethane	47.5		"	50.0		95.0	71-137		0.443	30	
1,1,2,2-Tetrachloroethane	49.1		"	50.0		98.2	79-129		1.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	58-146		0.200	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.6	83-123		0.880	30	
1,1-Dichloroethane	45.8		"	50.0		91.6	75-130		0.783	30	
1,1-Dichloroethylene	50.0		"	50.0		100	64-137		0.0600	30	
1,2,3-Trichlorobenzene	46.9		"	50.0		93.8	81-140		0.425	30	
1,2,3-Trichloropropane	48.5		"	50.0		97.0	81-126		0.0824	30	
1,2,4-Trichlorobenzene	44.2		"	50.0		88.3	80-141		2.94	30	
1,2,4-Trimethylbenzene	46.6		"	50.0		93.2	84-125		0.791	30	
1,2-Dibromo-3-chloropropane	49.6		"	50.0		99.2	74-142		1.95	30	
1,2-Dibromoethane	48.6		"	50.0		97.3	86-123		1.05	30	
1,2-Dichlorobenzene	45.0		"	50.0		90.1	85-122		0.0222	30	
1,2-Dichloroethane	49.0		"	50.0		98.0	71-133		1.44	30	
1,2-Dichloropropane	46.0		"	50.0		92.1	81-122		0.736	30	
1,3,5-Trimethylbenzene	46.3		"	50.0		92.5	82-126		0.882	30	
1,3-Dichlorobenzene	44.1		"	50.0		88.3	84-124		0.520	30	
1,4-Dichlorobenzene	44.8		"	50.0		89.5	84-124		0.336	30	
1,4-Dioxane	930		"	1050		88.6	10-228		0.168	30	
2-Butanone	47.7		"	50.0		95.4	58-147		0.460	30	
2-Hexanone	49.8		"	50.0		99.5	70-139		2.83	30	
4-Methyl-2-pentanone	39.3		"	50.0		78.6	72-132		1.33	30	
Acetone	42.8		"	50.0		85.5	36-155		4.59	30	
Acrolein	45.1		"	50.0		90.3	10-238		0.992	30	
Acrylonitrile	50.6		"	50.0		101	66-141		2.71	30	
Benzene	49.0		"	50.0		98.0	77-127		1.34	30	
Bromochloromethane	47.1		"	50.0		94.1	74-129		0.682	30	
Bromodichloromethane	44.7		"	50.0		89.3	81-124		0.629	30	
Bromoform	48.5		"	50.0		97.0	80-136		1.43	30	
Bromomethane	48.7		"	50.0		97.4	32-177		0.818	30	
Carbon disulfide	48.0		"	50.0		96.1	10-136		1.09	30	
Carbon tetrachloride	45.5		"	50.0		91.0	66-143		0.286	30	
Chlorobenzene	46.5		"	50.0		93.0	86-120		1.25	30	
Chloroethane	47.7		"	50.0		95.4	51-142		3.54	30	
Chloroform	46.9		"	50.0		93.8	76-131		0.685	30	
Chloromethane	43.4		"	50.0		86.7	49-132		0.0231	30	
cis-1,2-Dichloroethylene	47.3		"	50.0		94.5	74-132		0.850	30	
cis-1,3-Dichloropropylene	44.7		"	50.0		89.4	81-129		0.313	30	
Cyclohexane	48.6		"	50.0		97.2	70-130		0.185	30	
Dibromochloromethane	47.6		"	50.0		95.2	10-200		0.273	30	
Dibromomethane	45.4		"	50.0		90.9	83-124		0.330	30	
Dichlorodifluoromethane	43.4		"	50.0		86.9	28-158		0.962	30	
Ethyl Benzene	47.3		"	50.0		94.6	84-125		1.08	30	
Hexachlorobutadiene	43.9		"	50.0		87.9	83-133		0.846	30	
Isopropylbenzene	45.0		"	50.0		89.9	81-127		0.0222	30	
Methyl acetate	46.5		"	50.0		93.0	41-143		2.13	30	
Methyl tert-butyl ether (MTBE)	49.2		"	50.0		98.4	74-131		0.729	30	
Methylcyclohexane	43.8		"	50.0		87.7	70-130		1.67	30	
Methylene chloride	51.0		"	50.0		102	57-141		0.176	30	
n-Butylbenzene	43.6		"	50.0		87.1	80-130		1.05	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BG30852 - EPA 5035A</b>											
<b>LCS Dup (BG30852-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/21/2023									
n-Propylbenzene	43.3		ug/L	50.0		86.6	74-136			0.346	30
o-Xylene	45.7		"	50.0		91.4	83-123			0.109	30
p- & m- Xylenes	90.9		"	100		90.9	82-128			0.974	30
p-Isopropyltoluene	45.6		"	50.0		91.2	85-125			0.241	30
sec-Butylbenzene	44.4		"	50.0		88.9	83-125			1.25	30
Styrene	45.7		"	50.0		91.4	86-126			0.437	30
tert-Butyl alcohol (TBA)	291		"	250		117	70-130			3.20	30
tert-Butylbenzene	38.7		"	50.0		77.3	80-127	Low Bias		0.493	30
Tetrachloroethylene	37.2		"	50.0		74.4	80-129	Low Bias		1.57	30
Toluene	47.2		"	50.0		94.4	85-121			0.0847	30
trans-1,2-Dichloroethylene	47.8		"	50.0		95.6	72-132			1.18	30
trans-1,3-Dichloropropylene	44.6		"	50.0		89.3	78-132			0.736	30
Trichloroethylene	45.2		"	50.0		90.4	84-123			1.36	30
Trichlorofluoromethane	47.0		"	50.0		94.0	62-140			0.0638	30
Vinyl Chloride	46.4		"	50.0		92.8	52-130			0.713	30
Surrogate: SURR: 1,2-Dichloroethane-d4	50.1		"	50.0		100	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.4		"	50.0		101	76-130				

<b>Batch BG30854 - EPA 5035A</b>											
<b>Blank (BG30854-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30854 - EPA 5035A**

Blank (BG30854-BLK1)	Blank	Prepared & Analyzed: 07/24/2023									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	51.6		ug/L	50.0		103	77-125				
Surrogate: SURRE: Toluene-d8	49.0		"	50.0		97.9	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	57.5		"	50.0		115	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30854 - EPA 5035A**

LCS (BG30854-BS1)	LCS	Prepared & Analyzed: 07/24/2023									
1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.3	75-129				
1,1,1-Trichloroethane	51.1		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6		"	50.0		105	58-146				
1,1,2-Trichloroethane	46.1		"	50.0		92.3	83-123				
1,1-Dichloroethane	47.1		"	50.0		94.3	75-130				
1,1-Dichloroethylene	53.2		"	50.0		106	64-137				
1,2,3-Trichlorobenzene	47.6		"	50.0		95.1	81-140				
1,2,3-Trichloropropane	46.4		"	50.0		92.9	81-126				
1,2,4-Trichlorobenzene	47.6		"	50.0		95.2	80-141				
1,2,4-Trimethylbenzene	47.4		"	50.0		94.7	84-125				
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	74-142				
1,2-Dibromoethane	48.0		"	50.0		95.9	86-123				
1,2-Dichlorobenzene	45.0		"	50.0		90.1	85-122				
1,2-Dichloroethane	49.9		"	50.0		99.7	71-133				
1,2-Dichloropropane	46.1		"	50.0		92.3	81-122				
1,3,5-Trimethylbenzene	47.9		"	50.0		95.7	82-126				
1,3-Dichlorobenzene	45.4		"	50.0		90.9	84-124				
1,4-Dichlorobenzene	46.1		"	50.0		92.3	84-124				
1,4-Dioxane	908		"	1050		86.5	10-228				
2-Butanone	53.7		"	50.0		107	58-147				
2-Hexanone	49.4		"	50.0		98.9	70-139				
4-Methyl-2-pentanone	38.0		"	50.0		76.0	72-132				
Acetone	40.3		"	50.0		80.7	36-155				
Acrolein	52.4		"	50.0		105	10-238				
Acrylonitrile	49.2		"	50.0		98.4	66-141				
Benzene	50.2		"	50.0		100	77-127				
Bromochloromethane	48.3		"	50.0		96.6	74-129				
Bromodichloromethane	46.3		"	50.0		92.5	81-124				
Bromoform	49.6		"	50.0		99.2	80-136				
Bromomethane	59.2		"	50.0		118	32-177				
Carbon disulfide	49.6		"	50.0		99.2	10-136				
Carbon tetrachloride	51.8		"	50.0		104	66-143				
Chlorobenzene	46.5		"	50.0		93.0	86-120				
Chloroethane	58.4		"	50.0		117	51-142				
Chloroform	48.3		"	50.0		96.6	76-131				
Chloromethane	47.1		"	50.0		94.3	49-132				
cis-1,2-Dichloroethylene	48.4		"	50.0		96.8	74-132				
cis-1,3-Dichloropropylene	48.4		"	50.0		96.8	81-129				
Cyclohexane	50.5		"	50.0		101	70-130				
Dibromochloromethane	48.6		"	50.0		97.3	10-200				
Dibromomethane	44.7		"	50.0		89.5	83-124				
Dichlorodifluoromethane	41.5		"	50.0		83.0	28-158				
Ethyl Benzene	48.2		"	50.0		96.4	84-125				
Hexachlorobutadiene	45.4		"	50.0		90.8	83-133				
Isopropylbenzene	45.6		"	50.0		91.2	81-127				
Methyl acetate	44.3		"	50.0		88.6	41-143				
Methyl tert-butyl ether (MTBE)	48.8		"	50.0		97.5	74-131				
Methylcyclohexane	45.6		"	50.0		91.1	70-130				
Methylene chloride	50.0		"	50.0		99.9	57-141				
n-Butylbenzene	48.0		"	50.0		96.0	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30854 - EPA 5035A</b>											
<b>LCS (BG30854-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/24/2023
n-Propylbenzene	44.9		ug/L	50.0		89.8	74-136				
o-Xylene	46.4		"	50.0		92.9	83-123				
p- & m- Xylenes	94.8		"	100		94.8	82-128				
p-Isopropyltoluene	47.3		"	50.0		94.6	85-125				
sec-Butylbenzene	45.2		"	50.0		90.4	83-125				
Styrene	46.2		"	50.0		92.5	86-126				
tert-Butyl alcohol (TBA)	266		"	250		107	70-130				
tert-Butylbenzene	39.3		"	50.0		78.6	80-127	Low Bias			
Tetrachloroethylene	37.4		"	50.0		74.7	80-129	Low Bias			
Toluene	47.4		"	50.0		94.9	85-121				
trans-1,2-Dichloroethylene	50.1		"	50.0		100	72-132				
trans-1,3-Dichloropropylene	51.8		"	50.0		104	78-132				
Trichloroethylene	45.3		"	50.0		90.5	84-123				
Trichlorofluoromethane	57.6		"	50.0		115	62-140				
Vinyl Chloride	51.4		"	50.0		103	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.1		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130				
<b>LCS Dup (BG30854-BSD1)</b>	<b>LCS Dup</b>										Prepared & Analyzed: 07/24/2023
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.9	75-129		1.61		30
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137		0.624		30
1,1,2,2-Tetrachloroethane	49.0		"	50.0		98.0	79-129		1.05		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.9		"	50.0		110	58-146		4.19		30
1,1,2-Trichloroethane	47.5		"	50.0		94.9	83-123		2.84		30
1,1-Dichloroethane	48.2		"	50.0		96.4	75-130		2.24		30
1,1-Dichloroethylene	56.1		"	50.0		112	64-137		5.14		30
1,2,3-Trichlorobenzene	47.6		"	50.0		95.1	81-140		0.00		30
1,2,3-Trichloropropane	46.7		"	50.0		93.5	81-126		0.665		30
1,2,4-Trichlorobenzene	47.6		"	50.0		95.2	80-141		0.0630		30
1,2,4-Trimethylbenzene	47.8		"	50.0		95.6	84-125		0.904		30
1,2-Dibromo-3-chloropropane	51.1		"	50.0		102	74-142		1.34		30
1,2-Dibromoethane	49.8		"	50.0		99.7	86-123		3.87		30
1,2-Dichlorobenzene	46.0		"	50.0		92.0	85-122		2.11		30
1,2-Dichloroethane	51.1		"	50.0		102	71-133		2.38		30
1,2-Dichloropropane	48.0		"	50.0		96.0	81-122		3.93		30
1,3,5-Trimethylbenzene	48.2		"	50.0		96.4	82-126		0.728		30
1,3-Dichlorobenzene	45.4		"	50.0		90.7	84-124		0.198		30
1,4-Dichlorobenzene	46.0		"	50.0		91.9	84-124		0.413		30
1,4-Dioxane	978		"	1050		93.1	10-228		7.36		30
2-Butanone	56.3		"	50.0		113	58-147		4.82		30
2-Hexanone	51.7		"	50.0		103	70-139		4.55		30
4-Methyl-2-pentanone	40.0		"	50.0		80.1	72-132		5.23		30
Acetone	45.0		"	50.0		90.0	36-155		10.9		30
Acrolein	55.3		"	50.0		111	10-238		5.29		30
Acrylonitrile	50.3		"	50.0		101	66-141		2.19		30
Benzene	50.9		"	50.0		102	77-127		1.33		30
Bromochloromethane	49.8		"	50.0		99.5	74-129		3.00		30
Bromodichloromethane	47.2		"	50.0		94.4	81-124		2.05		30
Bromoform	51.6		"	50.0		103	80-136		4.01		30
Bromomethane	60.5		"	50.0		121	32-177		2.17		30



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30854 - EPA 5035A</b>											
<b>LCS Dup (BG30854-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/24/2023		
Carbon disulfide	50.4		ug/L	50.0		101	10-136		1.58	30	
Carbon tetrachloride	53.0		"	50.0		106	66-143		2.41	30	
Chlorobenzene	47.8		"	50.0		95.5	86-120		2.63	30	
Chloroethane	58.3		"	50.0		117	51-142		0.0686	30	
Chloroform	49.2		"	50.0		98.5	76-131		1.91	30	
Chloromethane	46.5		"	50.0		93.0	49-132		1.32	30	
cis-1,2-Dichloroethylene	50.3		"	50.0		101	74-132		3.83	30	
cis-1,3-Dichloropropylene	49.6		"	50.0		99.2	81-129		2.41	30	
Cyclohexane	52.1		"	50.0		104	70-130		3.02	30	
Dibromochloromethane	50.0		"	50.0		99.9	10-200		2.66	30	
Dibromomethane	45.9		"	50.0		91.9	83-124		2.65	30	
Dichlorodifluoromethane	42.5		"	50.0		85.1	28-158		2.48	30	
Ethyl Benzene	49.3		"	50.0		98.7	84-125		2.36	30	
Hexachlorobutadiene	45.5		"	50.0		91.0	83-133		0.198	30	
Isopropylbenzene	45.6		"	50.0		91.1	81-127		0.0658	30	
Methyl acetate	46.9		"	50.0		93.7	41-143		5.62	30	
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		98.0	74-131		0.491	30	
Methylcyclohexane	46.5		"	50.0		92.9	70-130		1.93	30	
Methylene chloride	50.1		"	50.0		100	57-141		0.220	30	
n-Butylbenzene	47.4		"	50.0		94.7	80-130		1.38	30	
n-Propylbenzene	45.2		"	50.0		90.4	74-136		0.622	30	
o-Xylene	47.7		"	50.0		95.4	83-123		2.68	30	
p- & m- Xylenes	96.9		"	100		96.9	82-128		2.16	30	
p-Isopropyltoluene	47.6		"	50.0		95.2	85-125		0.717	30	
sec-Butylbenzene	45.6		"	50.0		91.2	83-125		0.903	30	
Styrene	47.6		"	50.0		95.2	86-126		2.83	30	
tert-Butyl alcohol (TBA)	297		"	250		119	70-130		10.9	30	
tert-Butylbenzene	39.0		"	50.0		78.1	80-127	Low Bias	0.638	30	
Tetrachloroethylene	38.2		"	50.0		76.4	80-129	Low Bias	2.30	30	
Toluene	48.2		"	50.0		96.3	85-121		1.55	30	
trans-1,2-Dichloroethylene	50.3		"	50.0		101	72-132		0.319	30	
trans-1,3-Dichloropropylene	52.7		"	50.0		105	78-132		1.68	30	
Trichloroethylene	45.9		"	50.0		91.8	84-123		1.43	30	
Trichlorofluoromethane	56.9		"	50.0		114	62-140		1.24	30	
Vinyl Chloride	51.2		"	50.0		102	52-130		0.409	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.9</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>76-130</i>				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30860 - EPA 5035A**

Blank (BG30860-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30860 - EPA 5035A**

<b>Blank (BG30860-BLK1)</b>	<b>Blank</b>	<b>Prepared &amp; Analyzed: 07/26/2023</b>									
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<hr/>											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.3</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.8</i>	<i>76-130</i>				

<b>LCS (BG30860-BS1)</b>	<b>LCS</b>	<b>Prepared &amp; Analyzed: 07/26/2023</b>									
1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0		97.4	75-129				
1,1,1-Trichloroethane	46.3		"	50.0		92.7	71-137				
1,1,2,2-Tetrachloroethane	48.2		"	50.0		96.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.5		"	50.0		71.0	58-146				
1,1,2-Trichloroethane	46.1		"	50.0		92.3	83-123				
1,1-Dichloroethane	42.9		"	50.0		85.8	75-130				
1,1-Dichloroethylene	35.0		"	50.0		70.0	64-137				
1,2,3-Trichlorobenzene	59.1		"	50.0		118	81-140				
1,2,3-Trichloropropane	49.1		"	50.0		98.2	81-126				
1,2,4-Trichlorobenzene	60.6		"	50.0		121	80-141				
1,2,4-Trimethylbenzene	49.6		"	50.0		99.3	84-125				
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	74-142				
1,2-Dibromoethane	48.8		"	50.0		97.6	86-123				
1,2-Dichlorobenzene	50.6		"	50.0		101	85-122				
1,2-Dichloroethane	44.6		"	50.0		89.2	71-133				
1,2-Dichloropropane	46.6		"	50.0		93.3	81-122				
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126				
1,3-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dichlorobenzene	52.0		"	50.0		104	84-124				
1,4-Dioxane	98.0		"	1050		93.3	10-228				
2-Butanone	49.2		"	50.0		98.3	58-147				
2-Hexanone	52.4		"	50.0		105	70-139				
4-Methyl-2-pentanone	48.8		"	50.0		97.7	72-132				
Acetone	33.0		"	50.0		66.0	36-155				
Acrolein	48.8		"	50.0		97.5	10-238				
Acrylonitrile	47.3		"	50.0		94.5	66-141				
Benzene	43.3		"	50.0		86.6	77-127				
Bromochloromethane	43.4		"	50.0		86.8	74-129				
Bromodichloromethane	46.5		"	50.0		93.0	81-124				
Bromoform	59.2		"	50.0		118	80-136				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30860 - EPA 5035A</b>											
<b>LCS (BG30860-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/26/2023
Bromomethane	26.1		ug/L	50.0		52.2	32-177				
Carbon disulfide	35.2		"	50.0		70.4	10-136				
Carbon tetrachloride	48.4		"	50.0		96.8	66-143				
Chlorobenzene	46.4		"	50.0		92.8	86-120				
Chloroethane	29.9		"	50.0		59.8	51-142				
Chloroform	43.3		"	50.0		86.6	76-131				
Chloromethane	29.4		"	50.0		58.9	49-132				
cis-1,2-Dichloroethylene	44.6		"	50.0		89.3	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.0	81-129				
Cyclohexane	43.4		"	50.0		86.7	70-130				
Dibromochloromethane	52.7		"	50.0		105	10-200				
Dibromomethane	44.1		"	50.0		88.2	83-124				
Dichlorodifluoromethane	27.2		"	50.0		54.5	28-158				
Ethyl Benzene	47.2		"	50.0		94.4	84-125				
Hexachlorobutadiene	61.7		"	50.0		123	83-133				
Isopropylbenzene	48.8		"	50.0		97.6	81-127				
Methyl acetate	35.8		"	50.0		71.6	41-143				
Methyl tert-butyl ether (MTBE)	48.9		"	50.0		97.7	74-131				
Methylcyclohexane	44.2		"	50.0		88.4	70-130				
Methylene chloride	43.3		"	50.0		86.6	57-141				
n-Butylbenzene	46.9		"	50.0		93.8	80-130				
n-Propylbenzene	46.0		"	50.0		92.0	74-136				
o-Xylene	48.0		"	50.0		96.0	83-123				
p- & m- Xylenes	91.7		"	100		91.7	82-128				
p-Isopropyltoluene	49.7		"	50.0		99.4	85-125				
sec-Butylbenzene	47.4		"	50.0		94.7	83-125				
Styrene	48.1		"	50.0		96.3	86-126				
tert-Butyl alcohol (TBA)	198		"	250		79.1	70-130				
tert-Butylbenzene	48.6		"	50.0		97.2	80-127				
Tetrachloroethylene	39.8		"	50.0		79.5	80-129	Low Bias			
Toluene	46.3		"	50.0		92.7	85-121				
trans-1,2-Dichloroethylene	44.1		"	50.0		88.2	72-132				
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132				
Trichloroethylene	47.0		"	50.0		94.0	84-123				
Trichlorofluoromethane	32.0		"	50.0		64.1	62-140				
Vinyl Chloride	30.6		"	50.0		61.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.9		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG30860 - EPA 5035A</b>												
LCS Dup (BG30860-BSD1)	LCS Dup								Prepared & Analyzed: 07/26/2023			
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		98.0	75-129		0.634	30		
1,1,1-Trichloroethane	45.8		"	50.0		91.6	71-137		1.19	30		
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.0	79-129		0.682	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	34.7		"	50.0		69.3	58-146		2.37	30		
1,1,2-Trichloroethane	46.0		"	50.0		91.9	83-123		0.369	30		
1,1-Dichloroethane	42.2		"	50.0		84.4	75-130		1.64	30		
1,1-Dichloroethylene	35.0		"	50.0		70.0	64-137		0.0286	30		
1,2,3-Trichlorobenzene	56.8		"	50.0		114	81-140		3.93	30		
1,2,3-Trichloropropane	49.7		"	50.0		99.4	81-126		1.26	30		
1,2,4-Trichlorobenzene	59.3		"	50.0		119	80-141		2.17	30		
1,2,4-Trimethylbenzene	48.5		"	50.0		96.9	84-125		2.36	30		
1,2-Dibromo-3-chloropropane	52.9		"	50.0		106	74-142		2.04	30		
1,2-Dibromoethane	49.4		"	50.0		98.9	86-123		1.32	30		
1,2-Dichlorobenzene	49.7		"	50.0		99.4	85-122		1.74	30		
1,2-Dichloroethane	43.7		"	50.0		87.5	71-133		1.92	30		
1,2-Dichloropropane	46.2		"	50.0		92.4	81-122		0.926	30		
1,3,5-Trimethylbenzene	48.7		"	50.0		97.4	82-126		3.51	30		
1,3-Dichlorobenzene	50.0		"	50.0		100	84-124		2.27	30		
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		2.28	30		
1,4-Dioxane	950		"	1050		90.5	10-228		3.10	30		
2-Butanone	55.9		"	50.0		112	58-147		12.9	30		
2-Hexanone	53.5		"	50.0		107	70-139		2.00	30		
4-Methyl-2-pentanone	49.9		"	50.0		99.7	72-132		2.11	30		
Acetone	34.2		"	50.0		68.3	36-155		3.43	30		
Acrolein	49.6		"	50.0		99.2	10-238		1.69	30		
Acrylonitrile	47.0		"	50.0		94.0	66-141		0.594	30		
Benzene	43.2		"	50.0		86.3	77-127		0.301	30		
Bromochloromethane	42.4		"	50.0		84.8	74-129		2.33	30		
Bromodichloromethane	46.0		"	50.0		91.9	81-124		1.13	30		
Bromoform	60.0		"	50.0		120	80-136		1.27	30		
Bromomethane	26.0		"	50.0		51.9	32-177		0.576	30		
Carbon disulfide	34.8		"	50.0		69.5	10-136		1.23	30		
Carbon tetrachloride	47.5		"	50.0		95.0	66-143		1.88	30		
Chlorobenzene	46.1		"	50.0		92.2	86-120		0.627	30		
Chloroethane	29.3		"	50.0		58.5	51-142		2.23	30		
Chloroform	43.0		"	50.0		86.1	76-131		0.579	30		
Chloromethane	28.8		"	50.0		57.6	49-132		2.16	30		
cis-1,2-Dichloroethylene	44.6		"	50.0		89.3	74-132		0.00	30		
cis-1,3-Dichloropropylene	48.5		"	50.0		97.1	81-129		0.124	30		
Cyclohexane	42.3		"	50.0		84.6	70-130		2.52	30		
Dibromochloromethane	53.0		"	50.0		106	10-200		0.568	30		
Dibromomethane	43.7		"	50.0		87.4	83-124		0.957	30		
Dichlorodifluoromethane	26.1		"	50.0		52.2	28-158		4.31	30		
Ethyl Benzene	46.4		"	50.0		92.7	84-125		1.84	30		
Hexachlorobutadiene	59.8		"	50.0		120	83-133		3.18	30		
Isopropylbenzene	47.4		"	50.0		94.8	81-127		2.89	30		
Methyl acetate	35.9		"	50.0		71.7	41-143		0.251	30		
Methyl tert-butyl ether (MTBE)	49.6		"	50.0		99.1	74-131		1.38	30		
Methylcyclohexane	43.7		"	50.0		87.5	70-130		1.07	30		
Methylene chloride	43.0		"	50.0		85.9	57-141		0.765	30		
n-Butylbenzene	45.4		"	50.0		90.8	80-130		3.25	30		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30860 - EPA 5035A</b>											
<b>LCS Dup (BG30860-bsd1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/26/2023									
n-Propylbenzene	45.1		ug/L	50.0		90.1	74-136		2.00	30	
o-Xylene	47.8		"	50.0		95.7	83-123		0.292	30	
p- & m- Xylenes	90.7		"	100		90.7	82-128		1.11	30	
p-Isopropyltoluene	48.4		"	50.0		96.7	85-125		2.75	30	
sec-Butylbenzene	46.2		"	50.0		92.4	83-125		2.42	30	
Styrene	47.8		"	50.0		95.7	86-126		0.625	30	
tert-Butyl alcohol (TBA)	204		"	250		81.5	70-130		3.00	30	
tert-Butylbenzene	47.5		"	50.0		95.1	80-127		2.25	30	
Tetrachloroethylene	39.4		"	50.0		78.8	80-129	Low Bias	0.985	30	
Toluene	46.1		"	50.0		92.2	85-121		0.476	30	
trans-1,2-Dichloroethylene	43.7		"	50.0		87.4	72-132		0.911	30	
trans-1,3-Dichloropropylene	52.1		"	50.0		104	78-132		0.0959	30	
Trichloroethylene	45.6		"	50.0		91.2	84-123		2.98	30	
Trichlorofluoromethane	30.4		"	50.0		60.9	62-140	Low Bias	5.15	30	
Vinyl Chloride	29.6		"	50.0		59.1	52-130		3.29	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				

<b>Batch BG31153 - EPA 5030B</b>											
<b>Blank (BG31153-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 07/20/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31153 - EPA 5030B**

**Blank (BG31153-BLK1) Blank**

Prepared & Analyzed: 07/20/2023

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4

10.1

"

10.0

101

69-130

Surrogate: SURRE: Toluene-d8

9.35

"

10.0

93.5

81-117

Surrogate: SURRE: p-Bromofluorobenzene

9.03

"

10.0

90.3

79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS (BG31153-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 07/20/2023
1,1,1,2-Tetrachloroethane	9.92		ug/L	10.0		99.2	82-126				
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	9.36		"	10.0		93.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	54-165				
1,1,2-Trichloroethane	9.91		"	10.0		99.1	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	76-136	Low Bias			
1,2,3-Trichloropropane	9.03		"	10.0		90.3	77-128				
1,2,4-Trichlorobenzene	7.42		"	10.0		74.2	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.79		"	10.0		97.9	82-132				
1,2-Dibromo-3-chloropropane	8.15		"	10.0		81.5	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.88		"	10.0		98.8	80-131				
1,3-Dichlorobenzene	9.98		"	10.0		99.8	86-122				
1,4-Dichlorobenzene	9.77		"	10.0		97.7	85-124				
1,4-Dioxane	218		"	210		104	10-349				
2-Butanone	11.8		"	10.0		118	49-152				
2-Hexanone	7.63		"	10.0		76.3	51-146				
4-Methyl-2-pentanone	7.29		"	10.0		72.9	57-145				
Acetone	9.45		"	10.0		94.5	14-150				
Acrolein	9.34		"	10.0		93.4	10-153				
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	11.8		"	10.0		118	85-126				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	8.79		"	10.0		87.9	79-128				
Bromoform	9.52		"	10.0		95.2	78-133				
Bromomethane	8.39		"	10.0		83.9	43-168				
Carbon disulfide	12.1		"	10.0		121	68-146				
Carbon tetrachloride	11.0		"	10.0		110	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	10.7		"	10.0		107	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Cyclohexane	5.79		"	10.0		57.9	63-149	Low Bias			
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	9.49		"	10.0		94.9	72-134				
Dichlorodifluoromethane	13.1		"	10.0		131	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	7.33		"	10.0		73.3	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl acetate	10.2		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	11.4		"	10.0		114	72-143				
Methylene chloride	10.3		"	10.0		103	55-137				
n-Butylbenzene	9.32		"	10.0		93.2	79-132				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS (BG31153-BS1)</b>	<b>LCS</b>										<b>Prepared &amp; Analyzed: 07/20/2023</b>
n-Propylbenzene	10.0		ug/L	10.0		100	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.1		"	10.0		101	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butyl alcohol (TBA)	30.1		"	50.0		60.1	25-162				
tert-Butylbenzene	8.81		"	10.0		88.1	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.47</i>		<i>"</i>	<i>10.0</i>		<i>94.7</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.11</i>		<i>"</i>	<i>10.0</i>		<i>91.1</i>	<i>79-122</i>				
<b>LCS Dup (BG31153-BS1)</b>	<b>LCS Dup</b>										<b>Prepared &amp; Analyzed: 07/20/2023</b>
1,1,1,2-Tetrachloroethane	9.21		ug/L	10.0		92.1	82-126		7.42	30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	78-136		12.8	30	
1,1,2,2-Tetrachloroethane	9.14		"	10.0		91.4	76-129		2.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		13.7	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	82-123		2.87	30	
1,1-Dichloroethane	9.82		"	10.0		98.2	82-129		10.6	30	
1,1-Dichloroethylene	10.1		"	10.0		101	68-138		13.5	30	
1,2,3-Trichlorobenzene	6.98		"	10.0		69.8	76-136	Low Bias	6.38	30	
1,2,3-Trichloropropane	8.93		"	10.0		89.3	77-128		1.11	30	
1,2,4-Trichlorobenzene	6.83		"	10.0		68.3	76-137	Low Bias	8.28	30	
1,2,4-Trimethylbenzene	8.68		"	10.0		86.8	82-132		12.0	30	
1,2-Dibromo-3-chloropropane	7.58		"	10.0		75.8	45-147		7.25	30	
1,2-Dibromoethane	9.90		"	10.0		99.0	83-124		2.69	30	
1,2-Dichlorobenzene	8.74		"	10.0		87.4	79-123		10.8	30	
1,2-Dichloroethane	9.52		"	10.0		95.2	73-132		5.22	30	
1,2-Dichloropropane	9.75		"	10.0		97.5	78-126		6.64	30	
1,3,5-Trimethylbenzene	8.70		"	10.0		87.0	80-131		12.7	30	
1,3-Dichlorobenzene	8.93		"	10.0		89.3	86-122		11.1	30	
1,4-Dichlorobenzene	8.79		"	10.0		87.9	85-124		10.6	30	
1,4-Dioxane	229		"	210		109	10-349		5.06	30	
2-Butanone	11.7		"	10.0		117	49-152		1.19	30	
2-Hexanone	7.92		"	10.0		79.2	51-146		3.73	30	
4-Methyl-2-pentanone	7.84		"	10.0		78.4	57-145		7.27	30	
Acetone	8.98		"	10.0		89.8	14-150		5.10	30	
Acrolein	9.23		"	10.0		92.3	10-153		1.18	30	
Acrylonitrile	11.0		"	10.0		110	51-150		0.545	30	
Benzene	10.7		"	10.0		107	85-126		10.1	30	
Bromochloromethane	9.88		"	10.0		98.8	77-128		8.25	30	
Bromodichloromethane	8.12		"	10.0		81.2	79-128		7.92	30	
Bromoform	9.37		"	10.0		93.7	78-133		1.59	30	
Bromomethane	6.10		"	10.0		61.0	43-168		31.6	30	Non-dir.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31153 - EPA 5030B</b>											
<b>LCS Dup (BG31153-BS1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 07/20/2023		
Carbon disulfide	10.7		ug/L	10.0		107	68-146		12.5	30	
Carbon tetrachloride	9.60		"	10.0		96.0	77-141		13.7	30	
Chlorobenzene	10.1		"	10.0		101	88-120		8.46	30	
Chloroethane	9.24		"	10.0		92.4	65-136		14.6	30	
Chloroform	9.61		"	10.0		96.1	82-128		9.70	30	
Chloromethane	8.39		"	10.0		83.9	43-155		19.1	30	
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129		11.2	30	
cis-1,3-Dichloropropylene	9.43		"	10.0		94.3	80-131		7.65	30	
Cyclohexane	5.04		"	10.0		50.4	63-149	Low Bias	13.9	30	
Dibromochloromethane	9.36		"	10.0		93.6	80-130		4.18	30	
Dibromomethane	9.07		"	10.0		90.7	72-134		4.53	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		16.4	30	
Ethyl Benzene	9.87		"	10.0		98.7	80-131		10.0	30	
Hexachlorobutadiene	6.75		"	10.0		67.5	67-146		8.24	30	
Isopropylbenzene	9.15		"	10.0		91.5	76-140		13.8	30	
Methyl acetate	10.2		"	10.0		102	51-139		0.784	30	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135		0.177	30	
Methylcyclohexane	10.1		"	10.0		101	72-143		11.7	30	
Methylene chloride	9.41		"	10.0		94.1	55-137		9.22	30	
n-Butylbenzene	8.22		"	10.0		82.2	79-132		12.5	30	
n-Propylbenzene	8.70		"	10.0		87.0	78-133		14.2	30	
o-Xylene	10.1		"	10.0		101	78-130		9.47	30	
p- & m- Xylenes	19.6		"	20.0		98.2	77-133		9.51	30	
p-Isopropyltoluene	8.79		"	10.0		87.9	81-136		13.1	30	
sec-Butylbenzene	8.79		"	10.0		87.9	79-137		14.0	30	
Styrene	10.2		"	10.0		102	67-132		7.96	30	
tert-Butyl alcohol (TBA)	31.6		"	50.0		63.3	25-162		5.15	30	
tert-Butylbenzene	7.72		"	10.0		77.2	77-138		13.2	30	
Tetrachloroethylene	9.64		"	10.0		96.4	82-131		11.5	30	
Toluene	9.53		"	10.0		95.3	80-127		9.97	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		11.7	30	
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	78-131		5.41	30	
Trichloroethylene	9.02		"	10.0		90.2	82-128		10.5	30	
Trichlorofluoromethane	8.81		"	10.0		88.1	67-139		16.7	30	
Vinyl Chloride	9.61		"	10.0		96.1	58-145		17.5	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.30</i>		<i>"</i>	<i>10.0</i>		<i>93.0</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.84</i>		<i>"</i>	<i>10.0</i>		<i>88.4</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31352 - EPA 3550C

Blank (BG31352-BLK1) Blank

Prepared: 07/25/2023 Analyzed: 07/26/2023

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31352 - EPA 3550C

Blank (BG31352-BLK1) Blank Prepared: 07/25/2023 Analyzed: 07/26/2023

Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.14		"	1.66		68.5	20-108				
Surrogate: SURR: Phenol-d6	0.962		"	1.66		57.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.588		"	0.831		70.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.616		"	0.831		74.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.07		"	1.66		125	19-110				
Surrogate: SURR: Terphenyl-d14	0.676		"	0.831		81.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31352 - EPA 3550C</b>											
<b>LCS (BG31352-BS1)</b>	<b>LCS</b>	Prepared: 07/25/2023 Analyzed: 07/26/2023									
1,1-Biphenyl	0.442	0.0416	mg/kg wet	0.831		53.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.833	0.0830	"	0.831		100	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.405	0.0416	"	0.831		48.7	17-137				
2,3,4,6-Tetrachlorophenol	0.866	0.0830	"	0.831		104	30-130				
2,4,5-Trichlorophenol	0.726	0.0416	"	0.831		87.4	27-118				
2,4,6-Trichlorophenol	0.712	0.0416	"	0.831		85.8	31-120				
2,4-Dichlorophenol	0.731	0.0416	"	0.831		88.0	20-127				
2,4-Dimethylphenol	0.524	0.0416	"	0.831		63.0	14-132				
2,4-Dinitrophenol	0.724	0.0830	"	0.831		87.1	10-171				
2,4-Dinitrotoluene	0.734	0.0416	"	0.831		88.4	34-131				
2,6-Dinitrotoluene	0.721	0.0416	"	0.831		86.8	31-128				
2-Chloronaphthalene	0.552	0.0416	"	0.831		66.5	31-117				
2-Chlorophenol	0.570	0.0416	"	0.831		68.6	33-113				
2-Methylnaphthalene	0.631	0.0416	"	0.831		75.9	12-138				
2-Methylphenol	0.484	0.0416	"	0.831		58.2	10-136				
2-Nitroaniline	0.610	0.0830	"	0.831		73.4	27-132				
2-Nitrophenol	0.773	0.0416	"	0.831		93.1	17-129				
3- & 4-Methylphenols	0.434	0.0416	"	0.831		52.2	29-103				
3,3-Dichlorobenzidine	0.562	0.0416	"	0.831		67.7	22-149				
3-Nitroaniline	0.594	0.0830	"	0.831		71.5	20-133				
4,6-Dinitro-2-methylphenol	1.02	0.0830	"	0.831		123	10-143				
4-Bromophenyl phenyl ether	0.648	0.0416	"	0.831		78.0	29-120				
4-Chloro-3-methylphenol	0.630	0.0416	"	0.831		75.9	24-129				
4-Chloroaniline	0.466	0.0416	"	0.831		56.2	10-132				
4-Chlorophenyl phenyl ether	0.617	0.0416	"	0.831		74.3	27-124				
4-Nitroaniline	0.599	0.0830	"	0.831		72.2	16-128				
4-Nitrophenol	0.627	0.0830	"	0.831		75.5	10-141				
Acenaphthene	0.541	0.0416	"	0.831		65.1	30-121				
Acenaphthylene	0.529	0.0416	"	0.831		63.7	30-115				
Acetophenone	0.388	0.0416	"	0.831		46.7	20-112				
Aniline	0.255	0.166	"	0.831		30.7	10-119				
Anthracene	0.572	0.0416	"	0.831		68.9	34-118				
Atrazine	0.507	0.0416	"	0.831		61.1	26-112				
Benzaldehyde	0.361	0.0416	"	0.831		43.5	21-100				
Benzo(a)anthracene	0.608	0.0416	"	0.831		73.2	32-122				
Benzo(a)pyrene	0.632	0.0416	"	0.831		76.1	29-133				
Benzo(b)fluoranthene	0.638	0.0416	"	0.831		76.8	25-133				
Benzo(g,h,i)perylene	0.668	0.0416	"	0.831		80.4	10-143				
Benzo(k)fluoranthene	0.668	0.0416	"	0.831		80.4	25-128				
Benzoic acid	0.368	0.0416	"	0.831		44.3	10-140				
Benzyl alcohol	0.450	0.0416	"	0.831		54.2	30-115				
Benzyl butyl phthalate	0.513	0.0416	"	0.831		61.8	26-126				
Bis(2-chloroethoxy)methane	0.502	0.0416	"	0.831		60.5	19-132				
Bis(2-chloroethyl)ether	0.421	0.0416	"	0.831		50.6	19-125				
Bis(2-chloroisopropyl)ether	0.324	0.0416	"	0.831		39.0	20-135				
Bis(2-ethylhexyl)phthalate	0.516	0.0416	"	0.831		62.1	10-155				
Caprolactam	0.532	0.0830	"	0.831		64.0	10-127				
Carbazole	0.590	0.0416	"	0.831		71.0	35-123				
Chrysene	0.619	0.0416	"	0.831		74.5	32-123				
Dibenzo(a,h)anthracene	0.647	0.0416	"	0.831		77.8	10-136				
Dibenzofuran	0.580	0.0416	"	0.831		69.9	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31352 - EPA 3550C

LCS (BG31352-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Diethyl phthalate	0.567	0.0416	mg/kg wet	0.831		68.2	34-116				
Dimethyl phthalate	0.593	0.0416	"	0.831		71.4	35-124				
Di-n-butyl phthalate	0.531	0.0416	"	0.831		64.0	31-116				
Di-n-octyl phthalate	0.510	0.0416	"	0.831		61.4	26-136				
Diphenylamine	0.644	0.0830	"	0.831		77.6	40-140				
Fluoranthene	0.604	0.0416	"	0.831		72.7	33-122				
Fluorene	0.563	0.0416	"	0.831		67.8	29-123				
Hexachlorobenzene	0.527	0.0416	"	0.831		63.4	21-124				
Hexachlorobutadiene	0.724	0.0416	"	0.831		87.2	10-149				
Hexachlorocyclopentadiene	0.339	0.0416	"	0.831		40.8	10-129				
Hexachloroethane	0.491	0.0416	"	0.831		59.1	28-108				
Indeno(1,2,3-cd)pyrene	0.646	0.0416	"	0.831		77.8	10-135				
Isophorone	0.513	0.0416	"	0.831		61.7	20-132				
Naphthalene	0.594	0.0416	"	0.831		71.6	23-124				
Nitrobenzene	0.518	0.0416	"	0.831		62.4	13-132				
N-Nitrosodimethylamine	0.411	0.0416	"	0.831		49.4	11-129				
N-nitroso-di-n-propylamine	0.392	0.0416	"	0.831		47.2	24-119				
N-Nitrosodiphenylamine	0.626	0.0416	"	0.831		75.4	22-152				
Pentachlorophenol	0.952	0.0416	"	0.831		115	10-139				
Phenanthrene	0.585	0.0416	"	0.831		70.5	33-123				
Phenol	0.459	0.0416	"	0.831		55.3	23-115				
Pyrene	0.585	0.0416	"	0.831		70.4	24-130				
Pyridine	0.362	0.166	"	0.831		43.6	10-91				
Surrogate: SURR: 2-Fluorophenol	1.06		"	1.66		63.6	20-108				
Surrogate: SURR: Phenol-d6	0.925		"	1.66		55.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.542		"	0.831		65.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.570		"	0.831		68.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.08		"	1.66		125	19-110				
Surrogate: SURR: Terphenyl-d14	0.629		"	0.831		75.7	24-116				



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

### York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31352 - EPA 3550C</b>												
<b>Matrix Spike (BG31352-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1088-01 (Matrix Spike)</b>						<b>Prepared: 07/25/2023 Analyzed: 07/26/2023</b>				
1,1-Biphenyl	0.570	0.0923	mg/kg dry	0.922	ND	61.8	10-130					
1,2,4,5-Tetrachlorobenzene	1.10	0.184	"	0.922	ND	119	10-133					
1,2-Diphenylhydrazine (as Azobenzene)	0.497	0.0923	"	0.922	ND	53.9	10-144					
2,3,4,6-Tetrachlorophenol	1.16	0.184	"	0.922	ND	126	30-130					
2,4,5-Trichlorophenol	1.04	0.0923	"	0.922	ND	113	10-127					
2,4,6-Trichlorophenol	1.03	0.0923	"	0.922	ND	111	10-132					
2,4-Dichlorophenol	0.975	0.0923	"	0.922	ND	106	10-128					
2,4-Dimethylphenol	0.663	0.0923	"	0.922	ND	71.8	10-137					
2,4-Dinitrophenol	0.475	0.184	"	0.922	ND	51.4	10-171					
2,4-Dinitrotoluene	0.936	0.0923	"	0.922	ND	102	16-135					
2,6-Dinitrotoluene	0.880	0.0923	"	0.922	ND	95.4	18-131					
2-Chloronaphthalene	0.732	0.0923	"	0.922	ND	79.4	10-129					
2-Chlorophenol	0.759	0.0923	"	0.922	ND	82.3	15-116					
2-Methylnaphthalene	0.835	0.0923	"	0.922	ND	90.5	10-147					
2-Methylphenol	0.663	0.0923	"	0.922	ND	71.9	10-136					
2-Nitroaniline	0.804	0.184	"	0.922	ND	87.2	10-137					
2-Nitrophenol	0.980	0.0923	"	0.922	ND	106	10-129					
3- & 4-Methylphenols	0.609	0.0923	"	0.922	ND	66.0	10-123					
3,3-Dichlorobenzidine	0.410	0.0923	"	0.922	ND	44.4	10-155					
3-Nitroaniline	0.711	0.184	"	0.922	ND	77.1	12-133					
4,6-Dinitro-2-methylphenol	0.721	0.184	"	0.922	ND	78.2	10-155					
4-Bromophenyl phenyl ether	0.802	0.0923	"	0.922	ND	87.0	14-128					
4-Chloro-3-methylphenol	0.875	0.0923	"	0.922	ND	94.9	10-134					
4-Chloroaniline	0.617	0.0923	"	0.922	ND	66.9	10-145					
4-Chlorophenyl phenyl ether	0.835	0.0923	"	0.922	ND	90.6	14-130					
4-Nitroaniline	0.739	0.184	"	0.922	ND	80.2	10-147					
4-Nitrophenol	0.874	0.184	"	0.922	ND	94.7	10-137					
Acenaphthene	0.735	0.0923	"	0.922	ND	79.7	10-146					
Acenaphthylene	0.695	0.0923	"	0.922	ND	75.4	10-134					
Acetophenone	0.491	0.0923	"	0.922	ND	53.2	10-116					
Aniline	0.355	0.370	"	0.922	ND	38.5	10-123					
Anthracene	0.770	0.0923	"	0.922	ND	83.5	10-142					
Atrazine	0.616	0.0923	"	0.922	ND	66.8	19-115					
Benzaldehyde	0.467	0.0923	"	0.922	ND	50.6	10-125					
Benzo(a)anthracene	1.01	0.0923	"	0.922	0.0835	99.9	10-158					
Benzo(a)pyrene	0.951	0.0923	"	0.922	0.0944	92.8	10-180					
Benzo(b)fluoranthene	1.08	0.0923	"	0.922	0.0523	111	10-200					
Benzo(g,h,i)perylene	0.872	0.0923	"	0.922	0.0835	85.5	10-138					
Benzo(k)fluoranthene	0.937	0.0923	"	0.922	0.0501	96.2	10-197					
Benzoic acid	0.186	0.0923	"	0.922	ND	20.2	10-166					
Benzyl alcohol	0.806	0.0923	"	0.922	ND	87.4	12-124					
Benzyl butyl phthalate	0.704	0.0923	"	0.922	ND	76.3	10-154					
Bis(2-chloroethoxy)methane	0.651	0.0923	"	0.922	ND	70.6	10-132					
Bis(2-chloroethyl)ether	0.565	0.0923	"	0.922	ND	61.3	10-119					
Bis(2-chloroisopropyl)ether	0.466	0.0923	"	0.922	ND	50.5	10-139					
Bis(2-ethylhexyl)phthalate	0.751	0.0923	"	0.922	0.0581	75.1	10-167					
Caprolactam	0.626	0.184	"	0.922	ND	67.8	10-132					
Carbazole	0.787	0.0923	"	0.922	ND	85.3	10-167					
Chrysene	1.05	0.0923	"	0.922	0.111	102	10-156					
Dibenzo(a,h)anthracene	0.821	0.0923	"	0.922	ND	89.0	10-137					
Dibenzofuran	0.762	0.0923	"	0.922	ND	82.6	10-147					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31352 - EPA 3550C

Matrix Spike (BG31352-MS1) Matrix Spike \*Source sample: 23G1088-01 (Matrix Spike) Prepared: 07/25/2023 Analyzed: 07/26/2023

Diethyl phthalate	0.717	0.0923	mg/kg dry	0.922	ND	77.8	20-120				
Dimethyl phthalate	0.726	0.0923	"	0.922	ND	78.7	18-131				
Di-n-butyl phthalate	0.690	0.0923	"	0.922	0.0871	65.4	10-137				
Di-n-octyl phthalate	0.735	0.0923	"	0.922	ND	79.7	10-180				
Diphenylamine	0.788	0.184	"	0.922	ND	85.4	40-140				
Fluoranthene	1.43	0.0923	"	0.922	0.196	134	10-160				
Fluorene	0.767	0.0923	"	0.922	ND	83.1	10-157				
Hexachlorobenzene	0.694	0.0923	"	0.922	ND	75.2	10-137				
Hexachlorobutadiene	0.972	0.0923	"	0.922	ND	105	10-132				
Hexachlorocyclopentadiene	0.325	0.0923	"	0.922	ND	35.2	10-106				
Hexachloroethane	0.646	0.0923	"	0.922	ND	70.1	10-110				
Indeno(1,2,3-cd)pyrene	0.214	0.0923	"	0.922	0.0973	12.7	10-144				
Isophorone	0.658	0.0923	"	0.922	ND	71.3	10-132				
Naphthalene	0.765	0.0923	"	0.922	ND	82.9	10-141				
Nitrobenzene	0.664	0.0923	"	0.922	ND	72.0	10-131				
N-Nitrosodimethylamine	0.486	0.0923	"	0.922	ND	52.6	10-126				
N-nitroso-di-n-propylamine	0.531	0.0923	"	0.922	ND	57.5	10-125				
N-Nitrosodiphenylamine	0.794	0.0923	"	0.922	ND	86.1	10-177				
Pentachlorophenol	1.14	0.0923	"	0.922	ND	123	10-153				
Phenanthrene	0.937	0.0923	"	0.922	0.0632	94.8	10-148				
Phenol	0.641	0.0923	"	0.922	ND	69.5	10-126				
Pyrene	1.17	0.0923	"	0.922	0.169	109	10-165				
Pyridine	0.373	0.370	"	0.922	ND	40.5	10-83				
Surrogate: SURR: 2-Fluorophenol	1.39		"	1.84		75.2	20-108				
Surrogate: SURR: Phenol-d6	1.27		"	1.84		69.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.703		"	0.922		76.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.739		"	0.922		80.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.69		"	1.84		146	19-110				
Surrogate: SURR: Terphenyl-d14	0.820		"	0.922		88.9	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31352 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31352-1 Matrix Spike Dup) Source sample: 23G1088-01 (Matrix Spike Dup)</b>						Prepared: 07/25/2023 Analyzed: 07/26/2023					
1,1-Biphenyl	0.575	0.0911	mg/kg dry	0.910	ND	63.2	10-130		0.868	30	
1,2,4,5-Tetrachlorobenzene	1.05	0.182	"	0.910	ND	115	10-133		4.11	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.524	0.0911	"	0.910	ND	57.6	10-144		5.29	30	
2,3,4,6-Tetrachlorophenol	1.12	0.182	"	0.910	ND	124	30-130		2.98	30	
2,4,5-Trichlorophenol	0.980	0.0911	"	0.910	ND	108	10-127		6.45	30	
2,4,6-Trichlorophenol	0.961	0.0911	"	0.910	ND	106	10-132		6.40	30	
2,4-Dichlorophenol	0.950	0.0911	"	0.910	ND	104	10-128		2.60	30	
2,4-Dimethylphenol	0.659	0.0911	"	0.910	ND	72.4	10-137		0.531	30	
2,4-Dinitrophenol	0.148	0.182	"	0.910	ND	16.2	10-171		105	30	Non-dir.
2,4-Dinitrotoluene	0.859	0.0911	"	0.910	ND	94.3	16-135		8.66	30	
2,6-Dinitrotoluene	0.844	0.0911	"	0.910	ND	92.7	18-131		4.11	30	
2-Chloronaphthalene	0.720	0.0911	"	0.910	ND	79.1	10-129		1.61	30	
2-Chlorophenol	0.740	0.0911	"	0.910	ND	81.3	15-116		2.58	30	
2-Methylnaphthalene	0.812	0.0911	"	0.910	ND	89.2	10-147		2.73	30	
2-Methylphenol	0.678	0.0911	"	0.910	ND	74.5	10-136		2.19	30	
2-Nitroaniline	0.832	0.182	"	0.910	ND	91.4	10-137		3.35	30	
2-Nitrophenol	0.916	0.0911	"	0.910	ND	101	10-129		6.72	30	
3- & 4-Methylphenols	0.602	0.0911	"	0.910	ND	66.2	10-123		1.07	30	
3,3-Dichlorobenzidine	0.397	0.0911	"	0.910	ND	43.6	10-155		3.13	30	
3-Nitroaniline	0.736	0.182	"	0.910	ND	80.8	12-133		3.35	30	
4,6-Dinitro-2-methylphenol	0.297	0.182	"	0.910	ND	32.6	10-155		83.2	30	Non-dir.
4-Bromophenyl phenyl ether	0.790	0.0911	"	0.910	ND	86.7	14-128		1.58	30	
4-Chloro-3-methylphenol	0.870	0.0911	"	0.910	ND	95.5	10-134		0.635	30	
4-Chloroaniline	0.599	0.0911	"	0.910	ND	65.8	10-145		2.87	30	
4-Chlorophenyl phenyl ether	0.810	0.0911	"	0.910	ND	89.0	14-130		3.09	30	
4-Nitroaniline	0.695	0.182	"	0.910	ND	76.3	10-147		6.21	30	
4-Nitrophenol	0.791	0.182	"	0.910	ND	86.9	10-137		9.94	30	
Acenaphthene	0.693	0.0911	"	0.910	ND	76.2	10-146		5.82	30	
Acenaphthylene	0.678	0.0911	"	0.910	ND	74.5	10-134		2.48	30	
Acetophenone	0.493	0.0911	"	0.910	ND	54.2	10-116		0.481	30	
Aniline	0.358	0.365	"	0.910	ND	39.3	10-123		0.750	30	
Anthracene	0.737	0.0911	"	0.910	ND	81.0	10-142		4.42	30	
Atrazine	0.642	0.0911	"	0.910	ND	70.6	19-115		4.17	30	
Benzaldehyde	0.495	0.0911	"	0.910	ND	54.3	10-125		5.71	30	
Benzo(a)anthracene	0.884	0.0911	"	0.910	0.0835	87.9	10-158		12.9	30	
Benzo(a)pyrene	ND	0.0911	"	0.910	0.0944	NR	10-180	Low Bias		30	
Benzo(b)fluoranthene	0.871	0.0911	"	0.910	0.0523	89.9	10-200		21.4	30	
Benzo(g,h,i)perylene	0.801	0.0911	"	0.910	0.0835	78.7	10-138		8.58	30	
Benzo(k)fluoranthene	0.835	0.0911	"	0.910	0.0501	86.2	10-197		11.6	30	
Benzoic acid	0.229	0.0911	"	0.910	ND	25.2	10-166		20.9	30	
Benzyl alcohol	1.70	0.0911	"	0.910	ND	187	12-124	High Bias	71.6	30	Non-dir.
Benzyl butyl phthalate	0.731	0.0911	"	0.910	ND	80.2	10-154		3.70	30	
Bis(2-chloroethoxy)methane	0.661	0.0911	"	0.910	ND	72.6	10-132		1.49	30	
Bis(2-chloroethyl)ether	0.567	0.0911	"	0.910	ND	62.2	10-119		0.247	30	
Bis(2-chloroisopropyl)ether	0.480	0.0911	"	0.910	ND	52.7	10-139		3.03	30	
Bis(2-ethylhexyl)phthalate	0.798	0.0911	"	0.910	0.0581	81.3	10-167		6.07	30	
Caprolactam	0.618	0.182	"	0.910	ND	67.8	10-132		1.31	30	
Carbazole	0.731	0.0911	"	0.910	ND	80.3	10-167		7.30	30	
Chrysene	0.895	0.0911	"	0.910	0.111	86.1	10-156		15.8	30	
Dibenzo(a,h)anthracene	0.774	0.0911	"	0.910	ND	85.0	10-137		5.81	30	
Dibenzofuran	0.743	0.0911	"	0.910	ND	81.6	10-147		2.57	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31352 - EPA 3550C

Matrix Spike Dup (BG31352-1) Matrix Spike Dup Source sample: 23G1088-01 (Matrix Spike Dup)										Prepared: 07/25/2023 Analyzed: 07/26/2023	
Diethyl phthalate	0.683	0.0911	mg/kg dry	0.910	ND	75.0	20-120		4.87	30	
Dimethyl phthalate	0.698	0.0911	"	0.910	ND	76.6	18-131		3.98	30	
Di-n-butyl phthalate	0.680	0.0911	"	0.910	0.0871	65.2	10-137		1.41	30	
Di-n-octyl phthalate	0.746	0.0911	"	0.910	ND	81.9	10-180		1.47	30	
Diphenylamine	0.789	0.182	"	0.910	ND	86.6	40-140		0.0875	30	
Fluoranthene	0.975	0.0911	"	0.910	0.196	85.5	10-160		37.7	30	Non-dir.
Fluorene	0.729	0.0911	"	0.910	ND	80.1	10-157		5.03	30	
Hexachlorobenzene	0.691	0.0911	"	0.910	ND	75.8	10-137		0.460	30	
Hexachlorobutadiene	0.964	0.0911	"	0.910	ND	106	10-132		0.853	30	
Hexachlorocyclopentadiene	0.206	0.0911	"	0.910	ND	22.6	10-106		44.7	30	Non-dir.
Hexachloroethane	0.605	0.0911	"	0.910	ND	66.5	10-110		6.58	30	
Indeno(1,2,3-cd)pyrene	0.207	0.0911	"	0.910	0.0973	12.0	10-144		3.40	30	
Isophorone	0.670	0.0911	"	0.910	ND	73.6	10-132		1.90	30	
Naphthalene	0.759	0.0911	"	0.910	ND	83.4	10-141		0.730	30	
Nitrobenzene	0.677	0.0911	"	0.910	ND	74.3	10-131		1.86	30	
N-Nitrosodimethylamine	0.498	0.0911	"	0.910	ND	54.7	10-126		2.57	30	
N-nitroso-di-n-propylamine	0.522	0.0911	"	0.910	ND	57.3	10-125		1.73	30	
N-Nitrosodiphenylamine	0.766	0.0911	"	0.910	ND	84.2	10-177		3.56	30	
Pentachlorophenol	1.09	0.0911	"	0.910	ND	119	10-153		4.54	30	
Phenanthrene	0.775	0.0911	"	0.910	0.0632	78.2	10-148		18.9	30	
Phenol	0.634	0.0911	"	0.910	ND	69.6	10-126		1.19	30	
Pyrene	0.926	0.0911	"	0.910	0.169	83.1	10-165		23.6	30	
Pyridine	0.381	0.365	"	0.910	ND	41.8	10-83		2.00	30	
Surrogate: SURR: 2-Fluorophenol	1.39		"	1.82		76.1	20-108				
Surrogate: SURR: Phenol-d6	1.27		"	1.82		69.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.723		"	0.910		79.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.726		"	0.910		79.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.61		"	1.82		143	19-110				
Surrogate: SURR: Terphenyl-d14	0.861		"	0.910		94.6	24-116				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31493 - EPA 3550C</b>												
<b>Blank (BG31493-BLK1)</b>	<b>Blank</b>										Prepared: 07/26/2023 Analyzed: 07/27/2023	
1,4-Dioxane	ND	19.8	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	343		"	495		69.2	39-127.5					
<b>LCS (BG31493-BS1)</b>	<b>LCS</b>										Prepared: 07/26/2023 Analyzed: 07/27/2023	
1,4-Dioxane	482	19.8	ug/kg	495		97.4	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	317		"	495		64.0	39-127.5					
<b>Matrix Spike (BG31493-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1204-01 (Matrix Spike)										Prepared: 07/26/2023 Analyzed: 07/27/2023
1,4-Dioxane	448	18.7	ug/kg	467	ND	95.8	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	284		"	467		60.9	40-130					
<b>Matrix Spike Dup (BG31493-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1204-01 (Matrix Spike Dup)										Prepared: 07/26/2023 Analyzed: 07/27/2023
1,4-Dioxane	467	19.4	ug/kg	485	ND	96.2	40-130		4.23	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	294		"	485		60.5	40-130					
<b>Batch BG31512 - EPA 3550C</b>												
<b>Blank (BG31512-BLK1)</b>	<b>Blank</b>										Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	ND	19.8	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	340		"	495		68.7	39-127.5					
<b>LCS (BG31512-BS1)</b>	<b>LCS</b>										Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	378	19.8	ug/kg	495		76.4	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	364		"	495		73.6	39-127.5					
<b>Matrix Spike (BG31512-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G0971-09 (Matrix Spike)										Prepared: 07/27/2023 Analyzed: 07/28/2023
1,4-Dioxane	384	19.8	ug/kg	495	ND	77.6	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	372		"	495		75.2	40-130					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31512 - EPA 3550C**

<b>Matrix Spike Dup (BG31512-1 Matrix Spike Dup)</b>						Source sample: 23G0971-09 (Matrix Spike Dup)						Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	380	19.8	ug/kg	495	ND	76.8	40-130		1.04	30			
Surrogate: 1,4-Dioxane-d8	309		"	495		62.5	40-130						



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31400 - EPA 1633 Prep

Blank (BG31400-BLK1) Blank

Prepared: 07/25/2023 Analyzed: 07/26/2023

Perfluorobutanesulfonic acid (PFBS)	ND	0.174	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.748	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.756	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.787	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.350	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.738	"								
HFPO-DA (Gen-X)	ND	0.787	"								
11CL-PF3OUdS	ND	0.744	"								
9CL-PF3ONS	ND	0.736	"								
ADONA	ND	0.744	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.984	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.92	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.92	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	1.45		"	2.29		63.2	25-150				
Surrogate: M5PFHxA	1.27		"	2.46		51.6	25-150				
Surrogate: M4PFHpA	1.42		"	2.46		57.9	25-150				
Surrogate: M3PFHxS	1.67		"	2.33		71.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.71		"	2.46		69.7	25-150				
Surrogate: M6PFDA	0.673		"	1.23		54.7	25-150				
Surrogate: M7PFUdA	1.12		"	1.23		91.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.14		"	1.23		92.8	25-150				
Surrogate: M2PFTeDA	0.905		"	1.23		73.6	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31400 - EPA 1633 Prep</b>											
<b>Blank (BG31400-BLK1)</b>		<b>Blank</b>		Prepared: 07/25/2023 Analyzed: 07/26/2023							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.423		ug/kg wet	9.84		4.30	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.33		"	2.36		98.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.38		"	4.92		28.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.96		"	2.46		79.5	10-150				
Surrogate: d3-N-MeFOSAA	4.48		"	4.92		91.0	25-150				
Surrogate: d5-N-EtFOSAA	5.39		"	4.92		110	25-150				
Surrogate: M2-6:2 FTS	9.47		"	4.68		202	25-200				
Surrogate: M2-8:2 FTS	5.51		"	4.72		117	25-200				
Surrogate: M9PFNA	0.863		"	1.23		70.2	25-150				
Surrogate: M2-4:2 FTS	4.61		"	4.62		100	25-150				
Surrogate: d-N-MeFOSA	1.21		"	2.46		49.3	25-150				
Surrogate: d-N-EtFOSA	1.94		"	2.46		78.9	25-150				
Surrogate: M3HFPO-DA	3.50		"	9.84		35.6	25-150				
Surrogate: d9-N-EtFOSE	14.9		"	24.6		60.4	25-150				
Surrogate: d7-N-MeFOSE	16.7		"	24.6		68.1	25-150				
<b>LCS (BG31400-BS1)</b>		<b>LCS</b>		Prepared: 07/25/2023 Analyzed: 07/26/2023							
Perfluorobutanesulfonic acid (PFBS)	5.24	0.175	ug/kg wet	3.49		150	50-150				
Perfluorohexanoic acid (PFHxA)	6.33	0.197	"	3.94		160	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	4.95	0.197	"	3.94		125	50-150				
Perfluorohexanesulfonic acid (PFHxS)	5.44	0.180	"	3.61		151	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	5.22	0.197	"	3.94		132	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.42	0.183	"	3.67		93.1	50-150				
Perfluorononanoic acid (PFNA)	4.61	0.197	"	3.94		117	50-150				
Perfluorodecanoic acid (PFDA)	5.56	0.197	"	3.94		141	50-150				
Perfluoroundecanoic acid (PFUnA)	7.09	0.197	"	3.94		180	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	5.81	0.197	"	3.94		147	50-150				
Perfluorotridecanoic acid (PFTrDA)	6.60	0.197	"	3.94		167	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	5.37	0.197	"	3.94		136	50-150				
N-MeFOSAA	7.27	0.197	"	3.94		184	50-150	High Bias			
N-EtFOSAA	5.98	0.197	"	3.94		152	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	12.1	0.394	"	7.89		154	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	5.90	0.197	"	3.94		149	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.75	0.197	"	3.77		153	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.31	0.190	"	3.81		113	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	30.4	0.750	"	15.0		203	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	37.0	0.757	"	15.1		244	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	22.8	0.789	"	15.8		145	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	13.1	0.351	"	7.02		187	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.29	0.394	"	7.89		105	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.7	0.394	"	7.89		136	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	10.1	0.394	"	7.89		128	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.27	0.185	"	3.71		169	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	23.4	0.740	"	14.8		158	50-150	High Bias			
HFPO-DA (Gen-X)	12.4	0.789	"	7.89		157	50-150	High Bias			
11CL-PF3OUdS	14.8	0.746	"	7.46		199	50-150	High Bias			
9CL-PF3ONS	15.0	0.738	"	7.38		203	50-150	High Bias			
ADONA	14.7	0.746	"	7.46		197	50-150	High Bias			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31400 - EPA 1633 Prep

LCS (BG31400-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.73	0.191	ug/kg wet	3.83		97.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.75	0.189	"	3.79		152	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	150	0.986	"	15.8		948	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	150	4.93	"	78.9		190	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	22.2	4.93	"	78.9		28.2	50-150	Low Bias			
N-MeFOSE	53.7	1.97	"	39.4		136	50-150				
N-MeFOSA	4.66	0.197	"	3.94		118	50-150				
N-EtFOSE	50.6	1.97	"	39.4		128	50-150				
N-EtFOSA	4.61	0.197	"	3.94		117	50-150				
Surrogate: M3PFBS	1.78		"	2.30		77.6	25-150				
Surrogate: M5PFHxA	1.58		"	2.47		64.1	25-150				
Surrogate: M4PFHpA	1.73		"	2.47		70.3	25-150				
Surrogate: M3PFHxS	1.95		"	2.34		83.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.73		"	2.47		70.1	25-150				
Surrogate: M6PFDA	1.03		"	1.23		83.4	25-150				
Surrogate: M7PFUdA	0.906		"	1.23		73.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.01		"	1.23		82.2	25-150				
Surrogate: M2PFTeDA	0.959		"	1.23		77.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.23		"	9.86		53.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.29		"	2.36		96.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	2.89		"	4.93		58.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.68		"	2.47		68.0	10-150				
Surrogate: d3-N-MeFOSAA	4.68		"	4.93		94.9	25-150				
Surrogate: d5-N-EtFOSAA	4.73		"	4.93		96.0	25-150				
Surrogate: M2-6:2 FTS	7.77		"	4.69		166	25-200				
Surrogate: M2-8:2 FTS	5.18		"	4.73		109	25-200				
Surrogate: M9PFNA	0.862		"	1.23		69.9	25-150				
Surrogate: M2-4:2 FTS	5.42		"	4.63		117	25-150				
Surrogate: d-N-MeFOSA	2.06		"	2.47		83.5	25-150				
Surrogate: d-N-EtFOSA	1.56		"	2.47		63.2	25-150				
Surrogate: M3HFPO-DA	5.25		"	9.86		53.2	25-150				
Surrogate: d9-N-EtFOSE	14.8		"	24.7		60.1	25-150				
Surrogate: d7-N-MeFOSE	15.7		"	24.7		63.6	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31400 - EPA 1633 Prep</b>											
<b>LCS (BG31400-BS2)</b>	<b>LCS</b>	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	0.741	0.176	ug/kg wet	0.705		105	50-150				
Perfluorohexanoic acid (PFHxA)	0.954	0.199	"	0.797		120	50-150				
Perfluoroheptanoic acid (PFHpA)	0.821	0.199	"	0.797		103	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.765	0.182	"	0.729		105	50-150				
Perfluorooctanoic acid (PFOA)	0.985	0.199	"	0.797		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.595	0.185	"	0.741		80.2	50-150				
Perfluorononanoic acid (PFNA)	0.830	0.199	"	0.797		104	50-150				
Perfluorodecanoic acid (PFDA)	0.825	0.199	"	0.797		104	50-150				
Perfluoroundecanoic acid (PFUnA)	1.00	0.199	"	0.797		126	50-150				
Perfluorododecanoic acid (PFDoA)	0.887	0.199	"	0.797		111	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.782	0.199	"	0.797		98.2	50-150				
Perfluorotetradecanoic acid (PFTA)	0.827	0.199	"	0.797		104	50-150				
N-MeFOSAA	0.686	0.199	"	0.797		86.1	50-150				
N-EtFOSAA	0.583	0.199	"	0.797		73.1	50-150				
Perfluoropentanoic acid (PFPeA)	1.52	0.398	"	1.59		95.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.641	0.199	"	0.797		80.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.921	0.199	"	0.761		121	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.757	0.192	"	0.769		98.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.37	0.757	"	3.03		144	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.11	0.765	"	3.06		167	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	3.16	0.797	"	3.19		99.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.66	0.355	"	1.42		117	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.973	0.398	"	1.59		61.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.29	0.398	"	1.59		80.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.79	0.398	"	1.59		112	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.840	0.187	"	0.749		112	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	3.52	0.747	"	2.99		118	50-150				
HFPO-DA (Gen-X)	2.19	0.797	"	1.59		137	50-150				
11CL-PF3OUdS	1.81	0.753	"	1.51		120	50-150				
9CL-PF3ONS	2.60	0.745	"	1.49		175	50-150	High Bias			
ADONA	2.42	0.753	"	1.51		161	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	0.562	0.193	"	0.773		72.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.700	0.191	"	0.765		91.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	28.0	0.996	"	3.19		877	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	29.3	4.98	"	15.9		184	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	4.77	4.98	"	15.9		29.9	50-150	Low Bias			
N-MeFOSE	6.45	1.99	"	7.97		81.0	50-150				
N-MeFOSA	0.787	0.199	"	0.797		98.8	50-150				
N-EtFOSE	7.53	1.99	"	7.97		94.5	50-150				
N-EtFOSA	0.812	0.199	"	0.797		102	50-150				
Surrogate: M3PFBS	1.35		"	2.32		58.4	25-150				
Surrogate: M5PFHxA	1.43		"	2.49		57.5	25-150				
Surrogate: M4PFHpA	1.90		"	2.49		76.5	25-150				
Surrogate: M3PFHxS	1.97		"	2.36		83.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.71		"	2.49		68.8	25-150				
Surrogate: M6PFDA	1.17		"	1.25		94.1	25-150				
Surrogate: M7PFUdA	1.03		"	1.25		82.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.08		"	1.25		86.7	25-150				
Surrogate: M2PFTeDA	1.04		"	1.25		83.7	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31400 - EPA 1633 Prep

LCS (BG31400-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.66		ug/kg wet	9.96		26.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.94		"	2.39		81.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.78		"	4.98		35.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.78		"	2.49		71.7	10-150				
Surrogate: d3-N-MeFOSAA	4.49		"	4.98		90.1	25-150				
Surrogate: d5-N-EtFOSAA	6.23		"	4.98		125	25-150				
Surrogate: M2-6:2 FTS	7.83		"	4.74		165	25-200				
Surrogate: M2-8:2 FTS	6.22		"	4.78		130	25-200				
Surrogate: M9PFNA	0.960		"	1.25		77.1	25-150				
Surrogate: M2-4:2 FTS	5.23		"	4.67		112	25-150				
Surrogate: d-N-MeFOSA	1.39		"	2.49		55.9	25-150				
Surrogate: d-N-EtFOSA	1.85		"	2.49		74.5	25-150				
Surrogate: M3HFPO-DA	4.90		"	9.96		49.2	25-150				
Surrogate: d9-N-EtFOSE	16.5		"	24.9		66.3	25-150				
Surrogate: d7-N-MeFOSE	16.9		"	24.9		67.8	25-150				

Duplicate (BG31400-DUP1)	Duplicate	*Source sample: 23G1030-02 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	0.195	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	ND	0.220	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	0.220	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.202	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.220	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.205	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.220	"		0.301						30
Perfluorodecanoic acid (PFDA)	ND	0.220	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.220	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.220	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	0.220	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.220	"		ND						30
N-MeFOSAA	ND	0.220	"		ND						30
N-EtFOSAA	ND	0.220	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	0.441	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.220	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.220	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.213	"		0.420						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.838	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.847	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	0.882	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.392	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.441	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.441	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.441	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.207	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.827	"		ND						30
HFPO-DA (Gen-X)	ND	0.882	"		ND						30
11CL-PF3OUdS	ND	0.833	"		ND						30
9CL-PF3ONS	ND	0.825	"		ND						30
ADONA	ND	0.833	"		ND						30



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31400 - EPA 1633 Prep

Duplicate (BG31400-DUP1)	Duplicate	*Source sample: 23G1030-02 (Duplicate)				Prepared: 07/25/2023 Analyzed: 07/26/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	0.214	ug/kg dry	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.212	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.10	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.51	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.51	"	ND			30
N-MeFOSE	ND	2.20	"	ND			30
N-MeFOSA	ND	0.220	"	ND			30
N-EtFOSE	ND	2.20	"	ND			30
N-EtFOSA	ND	0.220	"	ND			30
Surrogate: M3PFBS	0.757		"	2.57	29.5	25-150	
Surrogate: M5PFHxA	0.473		"	2.76	17.2	25-150	
Surrogate: M4PFHpA	0.384		"	2.76	13.9	25-150	
Surrogate: M3PFHxS	0.674		"	2.61	25.8	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.585		"	2.76	21.2	25-150	
Surrogate: M6PFDA	0.340		"	1.38	24.7	25-150	
Surrogate: M7PFUdA	0.185		"	1.38	13.4	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.230		"	1.38	16.7	25-150	
Surrogate: M2PFTeDA	0.369		"	1.38	26.8	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.35		"	11.0	12.3	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.527		"	2.64	20.0	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.796		"	5.51	14.4	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.581		"	2.76	21.1	10-150	
Surrogate: d3-N-MeFOSAA	1.55		"	5.51	28.1	25-150	
Surrogate: d5-N-EtFOSAA	2.26		"	5.51	40.9	25-150	
Surrogate: M2-6:2 FTS	2.35		"	5.24	44.9	25-200	
Surrogate: M2-8:2 FTS	2.07		"	5.29	39.1	25-200	
Surrogate: M9PFNA	0.156		"	1.38	11.3	25-150	
Surrogate: M2-4:2 FTS	1.57		"	5.17	30.3	25-150	
Surrogate: d-N-MeFOSA	0.545		"	2.76	19.8	25-150	
Surrogate: d-N-EtFOSA	3.90		"	2.76	142	25-150	
Surrogate: M3HFPO-DA	1.54		"	11.0	14.0	25-150	
Surrogate: d9-N-EtFOSE	5.70		"	27.6	20.7	25-150	
Surrogate: d7-N-MeFOSE	5.21		"	27.6	18.9	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31430 - EPA 1633 Prep</b>											
<b>Blank (BG31430-BLK1)</b>	<b>Blank</b>										Prepared: 07/26/2023 Analyzed: 07/27/2023
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
<i>Surrogate: M3PFBS</i>	68.3		"	46.6		147	25-150				
<i>Surrogate: M5PFHxA</i>	76.7		"	50.0		153	25-150				
<i>Surrogate: M4PFHpA</i>	64.6		"	50.0		129	25-150				
<i>Surrogate: M3PFHxS</i>	70.4		"	47.4		149	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	64.4		"	50.0		129	25-150				
<i>Surrogate: M6PFDA</i>	25.4		"	25.0		101	25-150				
<i>Surrogate: M7PFUdA</i>	24.6		"	25.0		98.3	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	26.0		"	25.0		104	25-150				
<i>Surrogate: M2PFTeDA</i>	19.2		"	25.0		76.9	10-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31430 - EPA 1633 Prep</b>										
<b>Blank (BG31430-BLK1)</b>	<b>Blank</b>									Prepared: 07/26/2023 Analyzed: 07/27/2023
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	268		ng/L	200		134 25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	76.1		"	47.9		159 25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151 25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.8		"	50.0		124 10-150				
Surrogate: d3-N-MeFOSAA	117		"	100		117 25-150				
Surrogate: d5-N-EtFOSAA	109		"	100		109 25-150				
Surrogate: M2-6:2 FTS	113		"	95.1		119 25-200				
Surrogate: M2-8:2 FTS	110		"	96.0		115 25-200				
Surrogate: M9PFNA	30.6		"	25.0		122 25-150				
Surrogate: M2-4:2 FTS	115		"	93.8		123 25-150				
Surrogate: d-N-MeFOSA	40.7		"	50.0		81.5 25-150				
Surrogate: d-N-EtFOSA	19.5		"	50.0		39.0 25-150				
Surrogate: M3HFPO-DA	288		"	200		144 25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.5 25-150				
Surrogate: d7-N-MeFOSE	454		"	500		90.9 25-150				
<b>LCS (BG31430-BS1)</b>	<b>LCS</b>									Prepared: 07/26/2023 Analyzed: 07/27/2023
Perfluorobutanesulfonic acid (PFBS)	72.8	3.54	ng/L	70.8		103 50-150				
Perfluorohexanoic acid (PFHxA)	86.0	4.00	"	80.0		107 50-150				
Perfluoroheptanoic acid (PFHpA)	76.5	4.00	"	80.0		95.7 50-150				
Perfluorohexanesulfonic acid (PFHxS)	75.5	3.66	"	73.2		103 50-150				
Perfluorooctanoic acid (PFOA)	75.3	4.00	"	80.0		94.2 50-150				
Perfluorooctanesulfonic acid (PFOS)	65.0	3.72	"	74.4		87.3 50-150				
Perfluorononanoic acid (PFNA)	60.9	4.00	"	80.0		76.1 50-150				
Perfluorodecanoic acid (PFDA)	78.1	4.00	"	80.0		97.7 50-150				
Perfluoroundecanoic acid (PFUnA)	110	4.00	"	80.0		137 50-150				
Perfluorododecanoic acid (PFDoA)	77.2	4.00	"	80.0		96.5 50-150				
Perfluorotridecanoic acid (PFTrDA)	116	4.00	"	80.0		145 50-150				
Perfluorotetradecanoic acid (PFTA)	90.9	4.00	"	80.0		114 50-150				
N-MeFOSAA	122	4.00	"	80.0		152 50-150	High Bias			
N-EtFOSAA	66.8	4.00	"	80.0		83.5 50-150				
Perfluoropentanoic acid (PFPeA)	173	8.00	"	160		108 50-150				
Perfluoro-1-octanesulfonamide (FOSA)	99.9	4.00	"	80.0		125 50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	96.1	3.82	"	76.4		126 50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	64.6	3.86	"	77.2		83.7 50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	339	15.2	"	304		112 50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	570	15.4	"	307		185 50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	332	16.0	"	320		104 50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	166	7.12	"	142		117 50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	152	8.00	"	160		95.0 50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	178	8.00	"	160		111 50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	164	8.00	"	160		102 50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	102	3.76	"	75.2		136 50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	359	15.0	"	300		120 50-150				
HFPO-DA (Gen-X)	197	16.0	"	160		123 50-150				
11CL-PF3OUdS	132	15.1	"	151		87.3 50-150				
9CL-PF3ONS	144	15.0	"	150		96.2 50-150				
ADONA	194	15.1	"	151		129 50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31430 - EPA 1633 Prep</b>											
<b>LCS (BG31430-BS1)</b>	<b>LCS</b>										Prepared: 07/26/2023 Analyzed: 07/27/2023
Perfluorododecanesulfonic acid (PFDoS)	39.8	3.88	ng/L	77.6		51.3	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	87.3	3.84	"	76.8		114	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1600	10.0	"	320		500	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2030	50.0	"	1600		127	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	359	50.0	"	1600		22.4	50-150	Low Bias			
N-MeFOSE	792	40.0	"	800		99.0	50-150				
N-MeFOSA	114	4.00	"	80.0		143	50-150				
N-EtFOSE	824	40.0	"	800		103	50-150				
N-EtFOSA	69.8	4.00	"	80.0		87.2	50-150				
Surrogate: M3PFBS	56.1		"	46.6		120	25-150				
Surrogate: M5PFHxA	78.4		"	50.0		157	25-150				
Surrogate: M4PFHpA	59.8		"	50.0		120	25-150				
Surrogate: M3PFHxS	50.3		"	47.4		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.0		"	50.0		122	25-150				
Surrogate: M6PFDA	37.6		"	25.0		150	25-150				
Surrogate: M7PFUdA	26.8		"	25.0		107	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	23.9		"	25.0		95.7	25-150				
Surrogate: M2PFTeDA	14.4		"	25.0		57.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	269		"	200		135	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.9		"	47.9		171	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	162		"	100		162	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	68.9		"	50.0		138	10-150				
Surrogate: d3-N-MeFOSAA	142		"	100		142	25-150				
Surrogate: d5-N-EtFOSAA	175		"	100		175	25-150				
Surrogate: M2-6:2 FTS	168		"	95.1		177	25-200				
Surrogate: M2-8:2 FTS	112		"	96.0		117	25-200				
Surrogate: M9PFNA	36.4		"	25.0		146	25-150				
Surrogate: M2-4:2 FTS	144		"	93.8		154	25-150				
Surrogate: d-N-MeFOSA	35.0		"	50.0		70.0	25-150				
Surrogate: d-N-EtFOSA	30.4		"	50.0		60.8	25-150				
Surrogate: M3HFPO-DA	282		"	200		141	25-150				
Surrogate: d9-N-EtFOSE	293		"	500		58.7	25-150				
Surrogate: d7-N-MeFOSE	413		"	500		82.7	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31430 - EPA 1633 Prep</b>											
<b>LCS (BG31430-BS2)</b>	<b>LCS</b>	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	17.3	3.54	ng/L	14.2		122	50-150				
Perfluorohexanoic acid (PFHxA)	16.9	4.00	"	16.0		105	50-150				
Perfluoroheptanoic acid (PFHpA)	13.7	4.00	"	16.0		85.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.3	3.66	"	14.6		105	50-150				
Perfluorooctanoic acid (PFOA)	18.6	4.00	"	16.0		116	50-150				
Perfluorooctanesulfonic acid (PFOS)	19.8	3.72	"	14.9		133	50-150				
Perfluorononanoic acid (PFNA)	17.4	4.00	"	16.0		109	50-150				
Perfluorodecanoic acid (PFDA)	21.0	4.00	"	16.0		131	50-150				
Perfluoroundecanoic acid (PFUnA)	25.4	4.00	"	16.0		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotridecanoic acid (PFTriDA)	27.7	4.00	"	16.0		173	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	18.6	4.00	"	16.0		116	50-150				
N-MeFOSAA	24.9	4.00	"	16.0		156	50-150	High Bias			
N-EtFOSAA	13.4	4.00	"	16.0		83.9	50-150				
Perfluoropentanoic acid (PFPeA)	38.2	8.00	"	32.0		119	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	17.0	4.00	"	16.0		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	26.0	3.82	"	15.3		170	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	27.5	3.86	"	15.4		178	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	98.4	15.2	"	60.8		162	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	81.4	15.4	"	61.4		133	50-150				
Perfluoro-n-butanoic acid (PFBA)	72.6	16.0	"	64.0		114	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	36.3	7.12	"	28.5		127	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	31.3	8.00	"	32.0		97.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	28.6	8.00	"	32.0		89.5	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	34.4	8.00	"	32.0		108	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	19.8	3.76	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	79.2	15.0	"	60.0		132	50-150				
HFPO-DA (Gen-X)	33.5	16.0	"	32.0		105	50-150				
11CL-PF3OUdS	31.2	15.1	"	30.2		103	50-150				
9CL-PF3ONS	31.8	15.0	"	29.9		106	50-150				
ADONA	47.9	15.1	"	30.2		159	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	17.9	3.88	"	15.5		116	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	19.6	3.84	"	15.4		128	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	352	10.0	"	64.0		551	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	420	50.0	"	320		131	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	67.3	50.0	"	320		21.0	50-150	Low Bias			
N-MeFOSE	176	40.0	"	160		110	50-150				
N-MeFOSA	18.8	4.00	"	16.0		117	50-150				
N-EtFOSE	162	40.0	"	160		101	50-150				
N-EtFOSA	15.1	4.00	"	16.0		94.2	50-150				
Surrogate: M3PFBS	53.0		"	46.6		114	25-150				
Surrogate: M5PFHxA	71.3		"	50.0		143	25-150				
Surrogate: M4PFHpA	69.1		"	50.0		138	25-150				
Surrogate: M3PFHxS	53.3		"	47.4		113	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.7		"	50.0		123	25-150				
Surrogate: M6PFDA	28.1		"	25.0		113	25-150				
Surrogate: M7PFUdA	27.1		"	25.0		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.0		"	25.0		108	25-150				
Surrogate: M2PFTeDA	18.7		"	25.0		74.9	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31430 - EPA 1633 Prep

LCS (BG31430-BS2)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	103		ng/L	200		51.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	46.3		"	47.9		96.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	155		"	100		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.2		"	50.0		120	10-150				
Surrogate: d3-N-MeFOSAA	99.5		"	100		99.5	25-150				
Surrogate: d5-N-EtFOSAA	116		"	100		116	25-150				
Surrogate: M2-6:2 FTS	117		"	95.1		123	25-200				
Surrogate: M2-8:2 FTS	120		"	96.0		125	25-200				
Surrogate: M9PFNA	35.3		"	25.0		141	25-150				
Surrogate: M2-4:2 FTS	119		"	93.8		127	25-150				
Surrogate: d-N-MeFOSA	42.0		"	50.0		84.0	25-150				
Surrogate: d-N-EtFOSA	33.4		"	50.0		66.9	25-150				
Surrogate: M3HFPO-DA	253		"	200		127	25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.4	25-150				
Surrogate: d7-N-MeFOSE	430		"	500		85.9	25-150				

Duplicate (BG31430-DUP1)	Duplicate	*Source sample: 23G1162-15 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	3.15	ng/L		ND						30
Perfluorohexanoic acid (PFHxA)	ND	3.56	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	3.56	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	3.26	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	3.56	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	3.31	"		ND						30
Perfluorononanoic acid (PFNA)	ND	3.56	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	3.56	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	3.56	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	3.56	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	3.56	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	3.56	"		ND						30
N-MeFOSAA	ND	3.56	"		ND						30
N-EtFOSAA	ND	3.56	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	7.12	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.56	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.40	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.43	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	13.5	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	13.7	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	14.2	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	6.33	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	7.12	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.12	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.12	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.35	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	13.3	"		ND						30
HFPO-DA (Gen-X)	ND	14.2	"		ND						30
11CL-PF3OUdS	ND	13.5	"		ND						30
9CL-PF3ONS	ND	13.3	"		ND						30
ADONA	ND	13.5	"		ND						30



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31430 - EPA 1633 Prep</b>												
<b>Duplicate (BG31430-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G1162-15 (Duplicate)</b>						<b>Prepared: 07/26/2023 Analyzed: 07/27/2023</b>				
Perfluorododecanesulfonic acid (PFDoS)	ND	3.45	ng/L		ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.42	"		ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	8.90	"		ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	44.5	"		ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	44.5	"		ND						30	
N-MeFOSE	ND	35.6	"		ND						30	
N-MeFOSA	ND	3.56	"		ND						30	
N-EtFOSE	ND	35.6	"		ND						30	
N-EtFOSA	ND	3.56	"		ND						30	
<i>Surrogate: M3PFBS</i>	46.2		"	41.5		112	25-150					
<i>Surrogate: M5PFHxA</i>	59.6		"	44.5		134	25-150					
<i>Surrogate: M4PFHpA</i>	51.7		"	44.5		116	25-150					
<i>Surrogate: M3PFHxS</i>	45.4		"	42.2		108	25-150					
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	49.7		"	44.5		112	25-150					
<i>Surrogate: M6PFDA</i>	23.9		"	22.2		107	25-150					
<i>Surrogate: M7PFUdA</i>	19.7		"	22.2		88.7	25-150					
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	12.4		"	22.2		55.8	25-150					
<i>Surrogate: M2PFTeDA</i>	10.3		"	22.2		46.4	10-150					
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	203		"	178		114	25-150					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	57.3		"	42.6		135	25-150					
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	117		"	89.0		132	25-150					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	49.7		"	44.5		112	10-150					
<i>Surrogate: d3-N-MeFOSAA</i>	86.1		"	89.0		96.7	25-150					
<i>Surrogate: d5-N-EtFOSAA</i>	95.3		"	89.0		107	25-150					
<i>Surrogate: M2-6:2 FTS</i>	85.8		"	84.6		101	25-200					
<i>Surrogate: M2-8:2 FTS</i>	63.2		"	85.4		74.0	25-200					
<i>Surrogate: M9PFNA</i>	21.1		"	22.2		94.7	25-150					
<i>Surrogate: M2-4:2 FTS</i>	82.5		"	83.4		98.9	25-150					
<i>Surrogate: d-N-MeFOSA</i>	32.6		"	44.5		73.3	25-150					
<i>Surrogate: d-N-EtFOSA</i>	28.2		"	44.5		63.3	25-150					
<i>Surrogate: M3HFPO-DA</i>	221		"	178		124	25-150					
<i>Surrogate: d9-N-EtFOSE</i>	288		"	445		64.8	25-150					
<i>Surrogate: d7-N-MeFOSE</i>	309		"	445		69.5	25-150					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31389 - EPA 3550C

Blank (BG31389-BLK1)	Blank	Prepared & Analyzed: 07/25/2023									
4,4'-DDD	ND	0.00161	mg/kg wet								
4,4'-DDE	ND	0.00161	"								
4,4'-DDT	ND	0.00161	"								
Aldrin	ND	0.00161	"								
alpha-BHC	ND	0.00161	"								
alpha-Chlordane	ND	0.00161	"								
beta-BHC	ND	0.00161	"								
delta-BHC	ND	0.00161	"								
Dieldrin	ND	0.00161	"								
Endosulfan I	ND	0.00161	"								
Endosulfan II	ND	0.00161	"								
Endosulfan sulfate	ND	0.00161	"								
Endrin	ND	0.00161	"								
Endrin aldehyde	ND	0.00161	"								
Endrin ketone	ND	0.00161	"								
gamma-BHC (Lindane)	ND	0.00161	"								
gamma-Chlordane	ND	0.00161	"								
Heptachlor	ND	0.00161	"								
Heptachlor epoxide	ND	0.00161	"								
Methoxychlor	ND	0.00161	"								
Toxaphene	ND	0.161	"								
Chlordane, total	ND	0.0322	"								

Surrogate: Decachlorobiphenyl	0.0583		"	0.0651		89.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0475		"	0.0651		72.9	30-150				

LCS (BG31389-BS1)	LCS	Prepared & Analyzed: 07/25/2023									
4,4'-DDD	0.0322	0.00161	mg/kg wet	0.0326		98.8	40-140				
4,4'-DDE	0.0302	0.00161	"	0.0326		92.8	40-140				
4,4'-DDT	0.0270	0.00161	"	0.0326		83.0	40-140				
Aldrin	0.0319	0.00161	"	0.0326		97.8	40-140				
alpha-BHC	0.0338	0.00161	"	0.0326		104	40-140				
alpha-Chlordane	0.0323	0.00161	"	0.0326		99.2	40-140				
beta-BHC	0.0354	0.00161	"	0.0326		109	40-140				
delta-BHC	0.0289	0.00161	"	0.0326		88.7	40-140				
Dieldrin	0.0320	0.00161	"	0.0326		98.3	40-140				
Endosulfan I	0.0338	0.00161	"	0.0326		104	40-140				
Endosulfan II	0.0311	0.00161	"	0.0326		95.4	40-140				
Endosulfan sulfate	0.0283	0.00161	"	0.0326		87.0	40-140				
Endrin	0.0326	0.00161	"	0.0326		99.9	40-140				
Endrin aldehyde	0.0296	0.00161	"	0.0326		90.9	40-140				
Endrin ketone	0.0283	0.00161	"	0.0326		86.9	40-140				
gamma-BHC (Lindane)	0.0313	0.00161	"	0.0326		96.2	40-140				
gamma-Chlordane	0.0309	0.00161	"	0.0326		94.7	40-140				
Heptachlor	0.0320	0.00161	"	0.0326		98.3	40-140				
Heptachlor epoxide	0.0339	0.00161	"	0.0326		104	40-140				
Methoxychlor	0.0302	0.00161	"	0.0326		92.8	40-140				

Surrogate: Decachlorobiphenyl	0.0568		"	0.0651		87.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0573		"	0.0651		88.0	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31389 - EPA 3550C

Matrix Spike (BG31389-MS1)	Matrix Spike	*Source sample: 23G1101-19 (Matrix Spike)						Prepared: 07/25/2023 Analyzed: 07/27/2023			
4,4'-DDD	0.0324	0.00171	mg/kg dry	0.0345	ND	93.9	30-150				
4,4'-DDE	0.0295	0.00171	"	0.0345	ND	85.5	30-150				
4,4'-DDT	0.0214	0.00171	"	0.0345	ND	62.1	30-150				
Aldrin	0.0283	0.00171	"	0.0345	ND	82.1	30-150				
alpha-BHC	0.0286	0.00171	"	0.0345	ND	83.0	30-150				
alpha-Chlordane	0.0300	0.00171	"	0.0345	ND	87.1	30-150				
beta-BHC	0.0268	0.00171	"	0.0345	ND	77.6	30-150				
delta-BHC	0.0268	0.00171	"	0.0345	ND	77.7	30-150				
Dieldrin	0.0306	0.00171	"	0.0345	ND	88.8	30-150				
Endosulfan I	0.0312	0.00171	"	0.0345	ND	90.4	30-150				
Endosulfan II	0.0308	0.00171	"	0.0345	ND	89.2	30-150				
Endosulfan sulfate	0.0334	0.00171	"	0.0345	ND	96.9	30-150				
Endrin	0.0292	0.00171	"	0.0345	ND	84.7	30-150				
Endrin aldehyde	0.0313	0.00171	"	0.0345	ND	90.7	30-150				
Endrin ketone	0.0351	0.00171	"	0.0345	ND	102	30-150				
gamma-BHC (Lindane)	0.0284	0.00171	"	0.0345	ND	82.4	30-150				
gamma-Chlordane	0.0294	0.00171	"	0.0345	ND	85.2	30-150				
Heptachlor	0.0279	0.00171	"	0.0345	ND	81.1	30-150				
Heptachlor epoxide	0.0307	0.00171	"	0.0345	ND	89.0	30-150				
Methoxychlor	0.0353	0.00171	"	0.0345	ND	102	30-150				
Surrogate: Decachlorobiphenyl	0.0675		"	0.0690		97.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0465		"	0.0690		67.4	30-150				

Matrix Spike Dup (BG31389-1)	Matrix Spike Dup	*Source sample: 23G1101-19 (Matrix Spike Dup)						Prepared: 07/25/2023 Analyzed: 07/27/2023			
4,4'-DDD	0.0315	0.00171	mg/kg dry	0.0345	ND	91.3	30-150	2.82	30		
4,4'-DDE	0.0288	0.00171	"	0.0345	ND	83.6	30-150	2.28	30		
4,4'-DDT	0.0299	0.00171	"	0.0345	ND	86.6	30-150	33.0	30	Non-dir.	
Aldrin	0.0295	0.00171	"	0.0345	ND	85.7	30-150	4.31	30		
alpha-BHC	0.0290	0.00171	"	0.0345	ND	84.1	30-150	1.33	30		
alpha-Chlordane	0.0294	0.00171	"	0.0345	ND	85.4	30-150	2.00	30		
beta-BHC	0.0313	0.00171	"	0.0345	ND	90.9	30-150	15.7	30		
delta-BHC	0.0269	0.00171	"	0.0345	ND	78.0	30-150	0.289	30		
Dieldrin	0.0298	0.00171	"	0.0345	ND	86.5	30-150	2.66	30		
Endosulfan I	0.0314	0.00171	"	0.0345	ND	91.0	30-150	0.678	30		
Endosulfan II	0.0316	0.00171	"	0.0345	ND	91.7	30-150	2.76	30		
Endosulfan sulfate	0.0305	0.00171	"	0.0345	ND	88.4	30-150	9.23	30		
Endrin	0.0295	0.00171	"	0.0345	ND	85.5	30-150	0.970	30		
Endrin aldehyde	0.0313	0.00171	"	0.0345	ND	90.8	30-150	0.127	30		
Endrin ketone	0.0293	0.00171	"	0.0345	ND	84.9	30-150	18.1	30		
gamma-BHC (Lindane)	0.0287	0.00171	"	0.0345	ND	83.2	30-150	1.00	30		
gamma-Chlordane	0.0295	0.00171	"	0.0345	ND	85.5	30-150	0.363	30		
Heptachlor	0.0302	0.00171	"	0.0345	ND	87.5	30-150	7.64	30		
Heptachlor epoxide	0.0325	0.00171	"	0.0345	ND	94.4	30-150	5.89	30		
Methoxychlor	0.0347	0.00171	"	0.0345	ND	101	30-150	1.51	30		
Surrogate: Decachlorobiphenyl	0.0579		"	0.0690		84.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0485		"	0.0690		70.4	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31389 - EPA 3550C</b>											
<b>Blank (BG31389-BLK2)</b>		<b>Blank</b>							Prepared: 07/25/2023 Analyzed: 07/27/2023		
Aroclor 1016	ND	0.0163	mg/kg wet								
Aroclor 1221	ND	0.0163	"								
Aroclor 1232	ND	0.0163	"								
Aroclor 1242	ND	0.0163	"								
Aroclor 1248	ND	0.0163	"								
Aroclor 1254	ND	0.0163	"								
Aroclor 1260	ND	0.0163	"								
Total PCBs	ND	0.0163	"								
Surrogate: Tetrachloro-m-xylene	0.0593		"	0.0651		91.0	30-120				
Surrogate: Decachlorobiphenyl	0.0564		"	0.0651		86.5	30-120				
<b>LCS (BG31389-BS2)</b>		<b>LCS</b>							Prepared: 07/25/2023 Analyzed: 07/27/2023		
Aroclor 1016	0.306	0.0163	mg/kg wet	0.326		94.1	40-130				
Aroclor 1260	0.291	0.0163	"	0.326		89.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0521		"	0.0651		80.0	30-120				
Surrogate: Decachlorobiphenyl	0.0515		"	0.0651		79.0	30-120				
<b>Matrix Spike (BG31389-MS2)</b>		<b>Matrix Spike</b>							*Source sample: 23G1101-19 (Matrix Spike) Prepared: 07/25/2023 Analyzed: 07/28/2023		
Aroclor 1016	0.224	0.0172	mg/kg dry	0.345	ND	64.9	40-140				
Aroclor 1260	0.218	0.0172	"	0.345	ND	63.2	40-140				
Surrogate: Tetrachloro-m-xylene	0.0459		"	0.0690		66.5	30-120				
Surrogate: Decachlorobiphenyl	0.0476		"	0.0690		69.0	30-120				
<b>Matrix Spike Dup (BG31389-MS2)</b>		<b>Matrix Spike Dup</b>							*Source sample: 23G1101-19 (Matrix Spike Dup) Prepared: 07/25/2023 Analyzed: 07/28/2023		
Aroclor 1016	0.296	0.0172	mg/kg dry	0.345	ND	85.7	40-140		27.7	50	
Aroclor 1260	0.290	0.0172	"	0.345	ND	84.0	40-140		28.3	50	
Surrogate: Tetrachloro-m-xylene	0.0569		"	0.0690		82.5	30-120				
Surrogate: Decachlorobiphenyl	0.0631		"	0.0690		91.5	30-120				



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31260 - EPA 3550C/8151A</b>												
<b>Blank (BG31260-BLK1)</b>	<b>Blank</b>								Prepared: 07/24/2023 Analyzed: 07/25/2023			
2,4,5-T	ND	0.0199	mg/kg wet									
2,4,5-TP (Silvex)	ND	0.0199	"									
2,4-D	ND	0.0199	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.283		"	0.415		68.2	21-150					
<b>LCS (BG31260-BS1)</b>	<b>LCS</b>								Prepared: 07/24/2023 Analyzed: 07/25/2023			
2,4,5-T	0.113	0.0199	mg/kg wet	0.133		85.0	10-120					
2,4,5-TP (Silvex)	0.113	0.0199	"	0.133		85.0	10-120					
2,4-D	0.125	0.0199	"	0.133		94.4	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.432		"	0.415		104	21-150					
<b>Matrix Spike (BG31260-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1093-01 (RIB08_8-10)						Prepared: 07/24/2023 Analyzed: 07/25/2023				
2,4,5-T	0.0600	0.0282	mg/kg dry	0.188	ND	31.9	10-120					
2,4,5-TP (Silvex)	0.0623	0.0282	"	0.188	ND	33.1	10-120					
2,4-D	0.0835	0.0282	"	0.188	ND	44.4	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.373		"	0.588		63.4	21-150					
<b>Matrix Spike Dup (BG31260-1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1093-01 (RIB08_8-10)						Prepared: 07/24/2023 Analyzed: 07/25/2023				
2,4,5-T	0.0435	0.0282	mg/kg dry	0.188	ND	23.1	10-120		31.8	35		
2,4,5-TP (Silvex)	0.0541	0.0282	"	0.188	ND	28.8	10-120		14.1	35		
2,4-D	0.0670	0.0282	"	0.188	ND	35.6	10-118		21.9	35		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.489		"	0.588		83.2	21-150					



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31503 - EPA 3050B

Blank (BG31503-BLK1) Blank

Prepared: 07/26/2023 Analyzed: 07/27/2023

Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	4.42	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

Duplicate (BG31503-DUP1) Duplicate

\*Source sample: 23G1093-08 (RIB01\_W\_17-18)

Prepared: 07/26/2023 Analyzed: 07/27/2023

Aluminum	17500	8.08	mg/kg dry		20300				14.8	35	
Antimony	10.1	4.04	"		9.20				9.03	35	
Arsenic	21.0	2.42	"		18.4				13.2	35	
Barium	66.3	4.03	"		39.8				49.8	35	Non-dir.
Beryllium	0.671	0.081	"		0.841				22.5	35	
Cadmium	ND	0.485	"		ND					35	
Calcium	4170	8.08	"		3270				24.1	35	
Chromium	30.4	0.808	"		30.4				0.166	35	
Cobalt	10.1	0.646	"		10.2				0.888	35	
Copper	17.7	3.23	"		10.8				48.6	35	Non-dir.
Iron	36600	40.4	"		31100				16.4	35	
Lead	144	0.808	"		46.2				103	35	Non-dir.
Magnesium	5330	8.08	"		5350				0.415	35	
Manganese	247	0.808	"		192				24.9	35	
Nickel	27.8	1.61	"		27.1				2.86	35	
Potassium	3580	8.08	"		3770				5.14	35	
Selenium	ND	4.04	"		ND					35	
Silver	ND	0.814	"		ND					35	
Sodium	2940	80.8	"		3220				9.08	35	
Thallium	25.5	4.04	"		19.4				27.5	35	
Vanadium	45.9	1.61	"		44.6				2.86	35	
Zinc	102	4.02	"		66.4				42.7	35	Non-dir.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31503 - EPA 3050B**

Matrix Spike (BG31503-MS1)	Matrix Spike	*Source sample: 23G1093-08 (RIB01_W_17-18)						Prepared: 07/26/2023 Analyzed: 07/27/2023	
Aluminum	15400	8.08	mg/kg dry	323	20300	NR	75-125	Low Bias	
Antimony	16.6	4.04	"	40.4	9.20	18.2	75-125	Low Bias	
Arsenic	335	2.42	"	323	18.4	98.0	75-125		
Barium	379	4.03	"	323	39.8	105	75-125		
Beryllium	8.70	0.081	"	8.08	0.841	97.3	75-125		
Cadmium	8.07	0.485	"	8.08	ND	99.9	75-125		
Calcium	3600	8.08	"	162	3270	205	75-125	High Bias	
Chromium	63.4	0.808	"	32.3	30.4	102	75-125		
Cobalt	95.1	0.646	"	80.8	10.2	105	75-125		
Copper	61.9	3.23	"	40.4	10.8	127	75-125	High Bias	
Iron	17900	40.4	"	162	31100	NR	75-125	Low Bias	
Lead	112	0.808	"	80.8	46.2	81.8	75-125		
Magnesium	3080	8.08	"	162	5350	NR	75-125	Low Bias	
Manganese	166	0.808	"	80.8	192	NR	75-125	Low Bias	
Nickel	112	1.61	"	80.8	27.1	105	75-125		
Potassium	3430	8.08	"	162	3770	NR	75-125	Low Bias	
Selenium	238	4.04	"	323	ND	73.6	75-125	Low Bias	
Silver	4.87	0.814	"	8.08	ND	60.2	75-125	Low Bias	
Sodium	2950	80.8	"	162	3220	NR	75-125	Low Bias	
Thallium	320	4.04	"	323	19.4	93.1	75-125		
Vanadium	121	1.61	"	80.8	44.6	94.6	75-125		
Zinc	117	4.02	"	80.8	66.4	62.3	75-125	Low Bias	

Post Spike (BG31503-PS1)	Post Spike	*Source sample: 23G1093-08 (RIB01_W_17-18)						Prepared: 07/26/2023 Analyzed: 07/27/2023	
Aluminum	125		ug/mL	2.00	126	NR	75-125	Low Bias	
Antimony	0.280		"	0.250	0.057	89.3	75-125		
Arsenic	2.03		"	2.00	0.114	96.0	75-125		
Barium	2.26		"	2.00	0.247	100	75-125		
Beryllium	0.053		"	0.0500	0.005	95.3	75-125		
Cadmium	0.046		"	0.0500	-0.002	92.5	75-125		
Calcium	21.5		"	1.00	20.2	128	75-125	High Bias	
Chromium	0.375		"	0.200	0.188	93.2	75-125		
Cobalt	0.574		"	0.500	0.063	102	75-125		
Copper	0.333		"	0.250	0.067	106	75-125		
Iron	192		"	1.00	192	NR	75-125	Low Bias	
Lead	0.751		"	0.500	0.286	93.1	75-125		
Magnesium	34.1		"	1.00	33.1	98.5	75-125		
Manganese	1.64		"	0.500	1.19	90.0	75-125		
Nickel	0.676		"	0.500	0.167	102	75-125		
Potassium	23.9		"	1.00	23.4	52.1	75-125	Low Bias	
Selenium	1.27		"	2.00	-0.323	63.5	75-125	Low Bias	
Silver	0.029		"	0.0500	-0.022	57.4	75-125	Low Bias	
Sodium	20.5		"	1.00	19.9	59.5	75-125	Low Bias	
Thallium	1.96		"	2.00	0.120	92.2	75-125		
Vanadium	0.749		"	0.500	0.276	94.7	75-125		
Zinc	0.871		"	0.500	0.411	92.1	75-125		



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

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

**Batch BG31503 - EPA 3050B**

Reference (BG31503-SRM1) Reference Prepared: 07/26/2023 Analyzed: 07/27/2023

Aluminum	9030	4.17	mg/kg wet	8040		112	49.9-150.5		
Antimony	59.6	2.08	"	129		46.2	18-250.4		
Arsenic	206	1.25	"	183		113	69.9-130.1		
Barium	341	2.08	"	297		115	75.1-125.3		
Beryllium	82.0	0.042	"	78.8		104	75-124.9		
Cadmium	234	0.250	"	221		106	75.1-124.9		
Calcium	5070	4.17	"	4710		108	72.4-127.4		
Chromium	223	0.417	"	200		112	70-130		
Cobalt	109	0.333	"	97.4		112	74.9-125.3		
Copper	159	1.67	"	136		117	75-125		
Iron	14800	20.8	"	14000		105	34.9-165.7		
Lead	277	0.417	"	257		108	73.9-126.1		
Magnesium	2410	4.17	"	2290		105	62-138.4		
Manganese	415	0.417	"	381		109	75.9-124.1		
Nickel	201	0.830	"	169		119	69.8-129.6		
Potassium	2210	4.17	"	2030		109	59.1-140.9		
Selenium	171	2.08	"	217		78.7	69.1-131.3		
Silver	71.0	0.420	"	67.8		105	70.6-129.2		
Sodium	463	41.7	"	427		108	58.3-141.9		
Thallium	89.9	2.08	"	80.5		112	65.1-135.4		
Vanadium	212	0.830	"	205		104	74.6-125.4		
Zinc	240	2.08	"	224		107	70.1-130.4		



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31526 - EPA 7473 soil</b>											
<b>Blank (BG31526-BLK1)</b>	Blank								Prepared & Analyzed: 07/26/2023		
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BG31526-DUP1)</b>	Duplicate		*Source sample: 23G1087-04 (Duplicate)						Prepared & Analyzed: 07/26/2023		
Mercury	ND	0.0323	mg/kg dry		ND					35	
<b>Matrix Spike (BG31526-MS1)</b>	Matrix Spike		*Source sample: 23G1087-04 (Matrix Spike)						Prepared & Analyzed: 07/26/2023		
Mercury	0.401		mg/kg	0.500	0.00430	79.4	75-125				
<b>Reference (BG31526-SRM1)</b>	Reference								Prepared & Analyzed: 07/26/2023		
Mercury	25.332		mg/kg	27.2		93.1	59.9-140.1				
<b>Batch BG31531 - EPA 7473 soil</b>											
<b>Blank (BG31531-BLK1)</b>	Blank								Prepared & Analyzed: 07/26/2023		
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BG31531-DUP1)</b>	Duplicate		*Source sample: 23G1093-04 (RIB07_8-10)						Prepared & Analyzed: 07/26/2023		
Mercury	0.373	0.0352	mg/kg dry		0.296				23.0	35	
<b>Matrix Spike (BG31531-MS1)</b>	Matrix Spike		*Source sample: 23G1093-04 (RIB07_8-10)						Prepared & Analyzed: 07/26/2023		
Mercury	0.603		mg/kg	0.500	0.252	70.2	75-125	Low Bias			
<b>Reference (BG31531-SRM1)</b>	Reference								Prepared & Analyzed: 07/26/2023		
Mercury	25.444		mg/kg	27.2		93.5	59.9-140.1				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31225 - Analysis Preparation Soil</b>												
<b>Blank (BG31225-BLK1)</b>	Blank								Prepared & Analyzed: 07/21/2023			
Cyanide, total	ND	0.500	mg/kg wet									
<b>Duplicate (BG31225-DUP1)</b>	Duplicate	*Source sample: 23G0971-09 (Duplicate)								Prepared & Analyzed: 07/21/2023		
Cyanide, total	ND	0.598	mg/kg dry		ND					15		
<b>Matrix Spike (BG31225-MS1)</b>	Matrix Spike	*Source sample: 23G0971-09 (Matrix Spike)								Prepared & Analyzed: 07/21/2023		
Cyanide, total	11.9	0.598	mg/kg dry	12.0	ND	99.5	79.6-107					
<b>Matrix Spike Dup (BG31225-MS1)</b>	Matrix Spike Dup	*Source sample: 23G0971-09 (Matrix Spike Dup)								Prepared & Analyzed: 07/21/2023		
Cyanide, total	11.3	0.598	mg/kg dry	12.0	ND	94.5	79.6-107		5.15	200		
<b>Reference (BG31225-SRM1)</b>	Reference								Prepared & Analyzed: 07/21/2023			
Cyanide, total	130		ug/mL	131		99.5	44.4-156.5					
<b>Batch BG31407 - EPA SW846-3060</b>												
<b>Blank (BG31407-BLK1)</b>	Blank								Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
<b>Duplicate (BG31407-DUP1)</b>	Duplicate	*Source sample: 23G1101-01 (Duplicate)								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	2.02	0.537	mg/kg dry		2.15				6.19	35		
<b>Matrix Spike (BG31407-MS1)</b>	Matrix Spike	*Source sample: 23G1101-01 (Matrix Spike)								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	22.8	0.537	mg/kg dry	21.5	2.15	96.2	75-125					
<b>Matrix Spike Dup (BG31407-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1101-01 (Matrix Spike Dup)								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	24.8	0.537	mg/kg dry	21.5	2.15	106	75-125		8.48	200		



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31407 - EPA SW846-3060</b>											
<b>Reference (BG31407-SRM1)</b>	Reference								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	229		mg/L	227		101	42.3-157.7				
<b>Batch BG31415 - Analysis Preparation Soil</b>											
<b>Blank (BG31415-BLK1)</b>	Blank								Prepared & Analyzed: 07/25/2023		
Cyanide, total	ND	0.500	mg/kg wet								
<b>Duplicate (BG31415-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/25/2023		
Cyanide, total	ND	0.586	mg/kg dry		ND					15	
<b>Matrix Spike (BG31415-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/25/2023		
Cyanide, total	10.9	0.586	mg/kg dry	11.7	ND	93.0	79.6-107				
<b>Matrix Spike Dup (BG31415-MS1)</b>	Matrix Spike Dup								Prepared & Analyzed: 07/25/2023		
Cyanide, total	10.3	0.586	mg/kg dry	11.7	ND	87.5	79.6-107		6.09	200	
<b>Reference (BG31415-SRM1)</b>	Reference								Prepared & Analyzed: 07/25/2023		
Cyanide, total	138		ug/mL	131		106	44.4-156.5				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31317 - % Solids Prep**

<b>Duplicate (BG31317-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G1101-01 (Duplicate)</b>						<b>Prepared &amp; Analyzed: 07/24/2023</b>			
% Solids	91.1	0.100	%		93.1				2.12	20	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1093-01	RIB08_8-10	40mL Vial with Stir Bar-Cool 4° C
23G1093-02	RIB08_13-15	40mL Vial with Stir Bar-Cool 4° C
23G1093-03	RIB08_21-23	40mL Vial with Stir Bar-Cool 4° C
23G1093-04	RIB07_8-10	40mL Vial with Stir Bar-Cool 4° C
23G1093-05	RIB07_21-22	40mL Vial with Stir Bar-Cool 4° C
23G1093-06	RIB07_13-15	40mL Vial with Stir Bar-Cool 4° C
23G1093-07	RIB01_W_15-16	40mL Vial with Stir Bar-Cool 4° C
23G1093-08	RIB01_W_17-18	40mL Vial with Stir Bar-Cool 4° C
23G1093-10	RITB03_071923	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. **23G1093**

Page **1** of **1**

**YOUR INFORMATION**

Company: **LANGAN**  
 Address: **3600 W 31st Street NYC, NY, 10001**  
 Phone: **212-479-5400**  
 Contact: **Albert Tashji**  
 E-mail: **ATashji@Langan.com**

**Report To:**  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**Invoice To:**  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**YOUR PROJECT NUMBER**  
**170758101**

**YOUR PROJECT NAME**  
**224 3rd Avenue**

**YOUR PO#:**

**Report / EDD Type (circle selections)**

CT RCP  **Summary Report**  **EQUIS (Standard)**  
 CT RCP  **QA Report**  **CT RCP DQ/ADUE**  **NYSDEC EQUIS**  
 CMDP  **NUDEP Reduced**  **NJDKQP**  
 Standard Excel EDD  **Deliverables**  **NUDEP SRP HazSite**  
 NY ASP B Package  **Other:** \_\_\_\_\_

**YORK Reg. Comp.**  
 Compared to the following Regulation(s): (please fill in)

**Standard (6-9 Day)**   
 PFAS Standard is 7-10 Days

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
RIB08-8-10	S	7/19/23 0945	TEL / Part 375 VOCs & SVOCs		
RIB08-13-15		1000	Part 375 PCBs & Pesticides		
RIB08-21-23		1010	Herbicides, TAL metals including Cyanide and Hexavalent / trivalent Chromium, PFAS, and 1,4-dioxane		
RIB07-8-10		1100			
RIB07 21-22		1110			
RIB07 13-15		1105			
RIB01-W-15-10		1315			
RIB01-W-17-10		1320			
ECFB04-071923	A2	1400	PFAS		
RTB03-071923	A2	1405	Part 375 VOCs		

**Comments:** Please cc Datanagement@Langan.com and Lmcconnell@Langan.com

**Preservation:** (check all that apply)  
 HCl \_\_\_\_\_ MeOH \_\_\_\_\_ HNO3 \_\_\_\_\_ H2SO4 \_\_\_\_\_ NaOH \_\_\_\_\_  
 ZnAc \_\_\_\_\_ Ascorbic Acid \_\_\_\_\_ Other: \_\_\_\_\_

**Special Instruction**  
 Field Filtered  
 Lab to Filter

1. Samples Relinquished by / Company  
 Date/Time  
**Ali Reach / Langan** 07/19/23 1034

2. Samples Relinquished by / Company  
 Date/Time  
**Ali Reach / Langan** 07/19/23 1723

3. Samples Relinquished by / Company  
 Date/Time  
**RAM I YORK** 7/19/23 1723

4. Samples Relinquished by / Company  
 Date/Time  
**RAM I YORK** 7/19/23 1723

1. Samples Received by / Company  
 Date/Time  
**Ali Reach / Langan** 7/19/23 1634

2. Samples Relinquished by / Company  
 Date/Time  
**Ali Reach / Langan** 7/19/23 1723

3. Samples Received by / Company  
 Date/Time  
**Ali Reach / Langan** 7/19/23 1723

4. Samples Received by / Company  
 Date/Time  
**Ali Reach / Langan** 7/19/23 1723

Samples Received in LAB by  
**Ali Reach** 7/19/23 2000

Temperature  
**41** Degrees C



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/02/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1300

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/02/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1300

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 21, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1300-01	RIMW07_072123	Water	07/21/2023	07/21/2023
23G1300-02	RIMW05_072123	Water	07/21/2023	07/21/2023
23G1300-03	GWTB01_072123	Water	07/21/2023	07/21/2023
23G1300-04	GWECFB01_072123	Water	07/21/2023	07/21/2023

**General Notes for York Project (SDG) No.: 23G1300**

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

Approved By 

Date: 08/02/2023

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 12:00 pm	<u>Date Received</u> 07/21/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-15-0	Carbon disulfide	ND	CCVE	ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-00-3	<b>Chloroethane</b>	<b>1.09</b>		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CAL-E, CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:16	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:16	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2023 06:55	07/31/2023 15:16	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.5 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.6 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
85-68-7	Benzyl butyl phthalate	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 14:33	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	29.9 %	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	15.2 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	82.9 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.0 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	128 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.5 %	30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371					FAX (203) 357-0166		ClientServices@		



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>				
23G1300	170758101	Water	July 21, 2023 12:00 pm	07/21/2023				
83-32-9	<b>Acenaphthene</b>	<b>0.130</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
208-96-8	Acenaphthylene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
120-12-7	<b>Anthracene</b>	<b>0.0500</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
1912-24-9	Atrazine	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
56-55-3	Benzo(a)anthracene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
50-32-8	Benzo(a)pyrene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
205-99-2	Benzo(b)fluoranthene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
207-08-9	Benzo(k)fluoranthene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.630</b>	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
218-01-9	Chrysene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
206-44-0	<b>Fluoranthene</b>	<b>0.200</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
86-73-7	<b>Fluorene</b>	<b>0.0500</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
118-74-1	Hexachlorobenzene	ND	ug/L	0.0200 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
87-68-3	Hexachlorobutadiene	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
67-72-1	Hexachloroethane	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
91-20-3	<b>Naphthalene</b>	<b>0.380</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
98-95-3	Nitrobenzene	ND	ug/L	0.250 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
62-75-9	N-Nitrosodimethylamine	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
87-86-5	Pentachlorophenol	ND	ug/L	0.250 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53	07/26/2023 21:42	KH
85-01-8	<b>Phenanthrene</b>	<b>0.0600</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH
129-00-0	<b>Pyrene</b>	<b>0.130</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/26/2023 21:42	KH



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.384		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/23/2023 10:23	07/24/2023 15:53	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.3 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.75		ng/L	0.459	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	23.3		ng/L	0.342	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	9.65		ng/L	0.694	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.82		ng/L	0.665	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	19.3		ng/L	0.410	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	17.0		ng/L	0.801	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	8.93		ng/L	0.508	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.733	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.10	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.860	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.723	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.674	1.95	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:14	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.772	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	28.9		ng/L	0.225	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:14	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.860	1.95	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:14	ESJ





Sample Information

Client Sample ID: RIMW07\_072123

York Sample ID: 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 28 rows of PFAS data.



**Sample Information**

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 12:00 pm	<u>Date Received</u> 07/21/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	3.90	19.5	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:14	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.76	1.95	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:14	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	115 %	25-150
Surrogate: M5PFHxA	175 %	25-150
Surrogate: M4PFHpA	78.8 %	25-150
Surrogate: M3PFHxS	133 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	138 %	25-150
Surrogate: M6PFDA	127 %	25-150
Surrogate: M7PFUdA	94.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	73.5 %	25-150
Surrogate: M2PFTeDA	48.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	2.45 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	139 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	90.9 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	123 %	10-150
Surrogate: d3-N-MeFOSAA	132 %	25-150
Surrogate: d5-N-EtFOSAA	144 %	25-150
Surrogate: M2-6:2 FTS	522 %	25-200
Surrogate: M2-8:2 FTS	315 %	25-200
Surrogate: M9PFNA	99.2 %	25-150
Surrogate: M2-4:2 FTS	528 %	25-150
Surrogate: d-N-MeFOSA	72.5 %	25-150
Surrogate: d-N-EtFOSA	52.1 %	25-150
Surrogate: M3HFPO-DA	107 %	25-150
Surrogate: d9-N-EtFOSE	56.6 %	25-150
Surrogate: d7-N-MeFOSE	75.7 %	25-150



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.  
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Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 21, 2023 12:00 pm

Date Received  
07/21/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 02:57	BCJ



Sample Information

Client Sample ID: RIMW07\_072123

York Sample ID: 23G1300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 12:00 pm

07/21/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and Surrogate Recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016 through 1260 and Total PCBs, with Surrogate Recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, with Surrogate Recoveries.



### Sample Information

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

York Project (SDG) No.  
23G1300

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 21, 2023 12:00 pm

Date Received  
07/21/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 69.6 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-39-3	Barium	0.385		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-70-2	Calcium	164		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7439-89-6	Iron	15.0		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7439-95-4	Magnesium	25.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7439-96-5	Manganese	0.708		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-09-7	Potassium	27.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-23-5	Sodium	892		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:42	CEG

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 12:00 pm	<u>Date Received</u> 07/21/2023
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**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-39-3	<b>Barium</b>	<b>0.407</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-70-2	<b>Calcium</b>	<b>160</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7439-89-6	<b>Iron</b>	<b>14.5</b>		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7439-95-4	<b>Magnesium</b>	<b>24.4</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7439-96-5	<b>Manganese</b>	<b>0.759</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-09-7	<b>Potassium</b>	<b>26.4</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-23-5	<b>Sodium</b>	<b>887</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:13	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw
7440-38-2	<b>Arsenic</b>	<b>10.9</b>		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw



**Sample Information**

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 12:00 pm	<u>Date Received</u> 07/21/2023
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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw
7782-49-2	Selenium	3.91	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 16:50	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw
7440-38-2	Arsenic	9.04		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw
7782-49-2	Selenium	2.71		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 15:47	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:22	07/31/2023 08:22	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:14	07/31/2023 08:14	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW07\_072123

**York Sample ID:** 23G1300-01

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 12:00 pm	<u>Date Received</u> 07/21/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/21/2023 19:35	07/21/2023 22:06	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	07/30/2023 11:12	08/01/2023 10:30	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0460		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	07/28/2023 14:37	07/28/2023 17:31	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



Sample Information

Client Sample ID: RIMW05\_072123

York Sample ID: 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds and their detection results.



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
75-15-0	Carbon disulfide	ND	CCVE	ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.470</b>		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>2.15</b>	CAL-E, CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 15:43	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
127-18-4	<b>Tetrachloroethylene</b>	<b>0.390</b>		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 15:43	JTG



Sample Information

Client Sample ID: RIMW05\_072123

York Sample ID: 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol.



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
85-68-7	Benzyl butyl phthalate	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53	07/27/2023 15:04	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	32.0 %									19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	17.6 %									10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	84.4 %									50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.5 %									39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	132 %									39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.9 %									30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615									
www.YORKLAB.com	(203) 325-1371									
						132-02 89th AVENUE				RICHMOND HILL, NY 11418
						FAX (203) 357-0166				ClientServices@



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>	<u>Collection Date/Time</u>		<u>Date Received</u>	
23G1300		170758101		Water	July 21, 2023 2:45 pm		07/21/2023	
83-32-9	Acenaphthene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.110</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
120-12-7	<b>Anthracene</b>	<b>0.0700</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
1912-24-9	Atrazine	ND	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.120</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
50-32-8	Benzo(a)pyrene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
205-99-2	Benzo(b)fluoranthene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
207-08-9	Benzo(k)fluoranthene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.05</b>	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
218-01-9	<b>Chrysenes</b>	<b>0.110</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
206-44-0	<b>Fluoranthene</b>	<b>0.250</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
86-73-7	<b>Fluorene</b>	<b>0.210</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
118-74-1	Hexachlorobenzene	ND	ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
87-68-3	Hexachlorobutadiene	ND	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
67-72-1	Hexachloroethane	ND	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
91-20-3	<b>Naphthalene</b>	<b>0.640</b>	B ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
98-95-3	Nitrobenzene	ND	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
62-75-9	N-Nitrosodimethylamine	ND	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
87-86-5	Pentachlorophenol	ND	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/25/2023 08:53 07/26/2023 22:12	KH
85-01-8	<b>Phenanthrene</b>	<b>0.130</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH
129-00-0	<b>Pyrene</b>	<b>0.210</b>	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:53 07/26/2023 22:12	KH



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

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170758101

Water

July 21, 2023 2:45 pm

07/21/2023

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	<b>1,4-Dioxane</b>	<b>1.09</b>		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/23/2023 10:23	07/24/2023 16:10	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.8 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>4.35</b>		ng/L	0.481	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>18.6</b>		ng/L	0.358	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>10.6</b>		ng/L	0.727	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>2.25</b>		ng/L	0.696	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>20.9</b>		ng/L	0.430	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>3.43</b>		ng/L	0.840	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>4.99</b>		ng/L	0.532	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.768	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.901	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.758	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.707	2.05	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.809	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>19.0</b>		ng/L	0.236	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.901	2.05	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ





### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

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23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.932	1.96	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.98	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>19.5</b>		ng/L	1.09	7.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.338	8.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.512	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.19	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.256	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.379	4.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.778	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.31	8.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.717	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
919005-14-4	ADONA	ND		ng/L	0.543	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/27/2023 15:04	07/29/2023 19:26	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.952	1.99	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.881	1.97	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.12	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.51	25.6	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.70	25.6	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ



**Sample Information**

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Water

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07/21/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	4.09	20.5	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.05	1	EPA 1633 Draft 3 Certifications:	07/27/2023 15:04	07/29/2023 19:26	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	98.0 %	25-150
Surrogate: M5PFHxA	191 %	25-150
Surrogate: M4PFHpA	108 %	25-150
Surrogate: M3PFHxS	117 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	133 %	25-150
Surrogate: M6PFDA	99.7 %	25-150
Surrogate: M7PFUdA	92.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	83.0 %	25-150
Surrogate: M2PFTeDA	62.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	2.47 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	215 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	125 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	130 %	10-150
Surrogate: d3-N-MeFOSAA	131 %	25-150
Surrogate: d5-N-EtFOSAA	150 %	25-150
Surrogate: M2-6:2 FTS	369 %	25-200
Surrogate: M2-8:2 FTS	146 %	25-200
Surrogate: M9PFNA	136 %	25-150
Surrogate: M2-4:2 FTS	388 %	25-150
Surrogate: d-N-MeFOSA	78.4 %	25-150
Surrogate: d-N-EtFOSA	76.9 %	25-150
Surrogate: M3HFPO-DA	121 %	25-150
Surrogate: d9-N-EtFOSE	83.9 %	25-150
Surrogate: d7-N-MeFOSE	101 %	25-150



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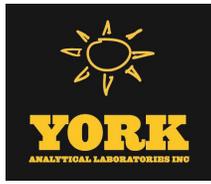
**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
1024-57-3	Heptachlor epoxide	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:25	08/01/2023 12:51	BCJ



Sample Information

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Water

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PEST, 8081 MASTER

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and Surrogate Recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, and Total PCBs, plus Surrogate Recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, plus Surrogate Recoveries.



### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

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Water

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**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 62.4 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-39-3	Barium	0.562		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-70-2	Calcium	281		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-47-3	Chromium	0.0221		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-48-4	Cobalt	0.0105		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-50-8	Copper	0.0314		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7439-89-6	Iron	34.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7439-92-1	Lead	0.148		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7439-95-4	Magnesium	51.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7439-96-5	Manganese	2.36		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-02-0	Nickel	0.0336		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-09-7	Potassium	44.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-23-5	Sodium	636		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-62-2	Vanadium	0.0231		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG
7440-66-6	Zinc	0.0989		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:12	07/31/2023 15:55	CEG

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1.10		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-39-3	Barium	0.504		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-70-2	Calcium	277		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-47-3	Chromium	0.00684		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7439-89-6	Iron	21.7		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7439-92-1	Lead	0.136		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7439-95-4	Magnesium	47.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7439-96-5	Manganese	2.34		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-09-7	Potassium	42.0	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-23-5	Sodium	634		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG
7440-66-6	Zinc	0.0657		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:23	08/01/2023 16:44	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	1.17		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw
7440-38-2	Arsenic	16.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw





### Sample Information

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 2:45 pm

07/21/2023

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	0.490	M-BS, M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw
7440-43-9	Cadmium	0.593		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw
7782-49-2	Selenium	6.96	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:18	07/28/2023 17:04	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw
7440-38-2	Arsenic	12.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw
7782-49-2	Selenium	9.96		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:30	07/28/2023 16:01	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0011		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:22	07/31/2023 08:22	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:14	07/31/2023 08:14	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**



**Sample Information**

**Client Sample ID:** RIMW05\_072123

**York Sample ID:** 23G1300-02

<u>York Project (SDG) No.</u> 23G1300	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 21, 2023 2:45 pm	<u>Date Received</u> 07/21/2023
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/21/2023 19:35	07/21/2023 22:06	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0221		mg/L	0.0100	1	Calculation	07/30/2023 11:12	08/01/2023 10:30	PAM
Certifications:										

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0320		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	07/28/2023 14:37	07/28/2023 17:31	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** GWTB01\_072123

**York Sample ID:** 23G1300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 3:30 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG



### Sample Information

**Client Sample ID:** GWTB01\_072123

**York Sample ID:** 23G1300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 3:30 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
67-64-1	<b>Acetone</b>	<b>3.24</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
107-13-1	Acrylonitrile	ND	CCVE	ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-15-0	Carbon disulfide	ND	CCVE	ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG



### Sample Information

**Client Sample ID:** GWTB01\_072123

**York Sample ID:** 23G1300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 3:30 pm

07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
75-09-2	<b>Methylene chloride</b>	<b>1.53</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CAL-E, CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/31/2023 06:55	07/31/2023 14:49	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG



**Sample Information**

**Client Sample ID:** GWTB01\_072123

**York Sample ID:** 23G1300-03

York Project (SDG) No.  
23G1300

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 21, 2023 3:30 pm

Date Received  
07/21/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/31/2023 06:55	07/31/2023 14:49	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2023 06:55	07/31/2023 14:49	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.2 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								



### Sample Information

**Client Sample ID:** GWECFB01\_072123

**York Sample ID:** 23G1300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 3:35 pm

07/21/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.456	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.340	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.689	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.660	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.408	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.796	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.505	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.728	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.10	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.854	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.718	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.670	1.94	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.767	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.00	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.223	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.854	1.94	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.883	1.85	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.28	1.87	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.03	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.99	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.320	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ



### Sample Information

**Client Sample ID:** GWECFB01\_072123

**York Sample ID:** 23G1300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1300

170758101

Water

July 21, 2023 3:35 pm

07/21/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.485	3.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.08	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.243	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.359	3.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.738	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.74	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.14	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.34	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.680	7.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
919005-14-4	ADONA	ND		ng/L	0.514	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/31/2023 15:04	07/31/2023 18:11	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.903	1.88	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.835	1.86	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.97	4.85	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.12	24.3	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.19	24.3	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.87	19.4	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.53	1.94	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.87	19.4	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.75	1.94	1	EPA 1633 Draft 3 Certifications:	07/31/2023 15:04	07/31/2023 18:11	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

124 %

25-150

Surrogate: M5PFHxA

159 %

25-150

Surrogate: M4PFHpA

164 %

25-150

Surrogate: M3PFHxS

119 %

25-150



**Sample Information**

**Client Sample ID:** GWECFB01\_072123

**York Sample ID:** 23G1300-04

York Project (SDG) No.  
23G1300

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 21, 2023 3:35 pm

Date Received  
07/21/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %			25-150						
	Surrogate: M6PFDA	137 %			25-150						
	Surrogate: M7PFUdA	113 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	86.8 %			25-150						
	Surrogate: M2PFTeDA	65.5 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	20.2 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	99.4 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	137 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	130 %			10-150						
	Surrogate: d3-N-MeFOSAA	130 %			25-150						
	Surrogate: d5-N-EtFOSAA	116 %			25-150						
	Surrogate: M2-6:2 FTS	132 %			25-200						
	Surrogate: M2-8:2 FTS	99.5 %			25-200						
	Surrogate: M9PFNA	131 %			25-150						
	Surrogate: M2-4:2 FTS	111 %			25-150						
	Surrogate: d-N-MeFOSA	128 %			25-150						
	Surrogate: d-N-EtFOSA	70.1 %			25-150						
	Surrogate: M3HFPO-DA	154 %			25-150						
	Surrogate: d9-N-EtFOSE	29.3 %			25-150						
	Surrogate: d7-N-MeFOSE	46.8 %			25-150						



## Analytical Batch Summary

**Batch ID:** BG31245      **Preparation Method:** Analysis Preparation      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/21/23
23G1300-02	RIMW05_072123	07/21/23
BG31245-BLK1	Blank	07/21/23
BG31245-BS1	LCS	07/21/23
BG31245-DUP1	Duplicate	07/21/23
BG31245-MS1	Matrix Spike	07/21/23
BG31245-MSD1	Matrix Spike Dup	07/21/23

**Batch ID:** BG31257      **Preparation Method:** EPA 3535A      **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/23/23
23G1300-02	RIMW05_072123	07/23/23
BG31257-BLK1	Blank	07/23/23
BG31257-BS1	LCS	07/23/23
BG31257-MS1	Matrix Spike	07/23/23
BG31257-MSD1	Matrix Spike Dup	07/23/23

**Batch ID:** BG31402      **Preparation Method:** EPA 3510C      **Prepared By:** JG

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/25/23
23G1300-02	RIMW05_072123	07/25/23
BG31402-BLK1	Blank	07/25/23
BG31402-BLK2	Blank	07/25/23
BG31402-BS1	LCS	07/25/23
BG31402-BS2	LCS	07/25/23
BG31402-MS1	Matrix Spike	07/25/23
BG31402-MSD1	Matrix Spike Dup	07/25/23

**Batch ID:** BG31518      **Preparation Method:** EPA 8151A      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/26/23
23G1300-02	RIMW05_072123	07/26/23
BG31518-BLK1	Blank	07/26/23
BG31518-BS1	LCS	07/26/23
BG31518-BSD1	LCS Dup	07/26/23
BG31518-MS1	Matrix Spike	07/26/23
BG31518-MSD1	Matrix Spike Dup	07/26/23

**Batch ID:** BG31591      **Preparation Method:** EPA 1633 Prep      **Prepared By:** WJH



YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/27/23
23G1300-02	RIMW05_072123	07/27/23
23G1300-04	GWECFB01_072123	07/31/23
BG31591-BLK1	Blank	07/27/23
BG31591-BS1	LCS	07/27/23
BG31591-BS2	LCS	07/27/23
BG31591-DUP1	Duplicate	07/27/23
BG31591-DUP2	Duplicate	07/27/23

**Batch ID:** BG31603      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/31/23
23G1300-02	RIMW05_072123	07/31/23
23G1300-03	GWTB01_072123	07/31/23
BG31603-BLK1	Blank	07/31/23
BG31603-BS1	LCS	07/31/23
BG31603-BSD1	LCS Dup	07/31/23
BG31603-MS1	Matrix Spike	07/31/23
BG31603-MSD1	Matrix Spike Dup	07/31/23

**Batch ID:** BG31610      **Preparation Method:** EPA 3510C      **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/28/23
23G1300-01	RIMW07_072123	07/28/23
23G1300-02	RIMW05_072123	07/28/23
23G1300-02	RIMW05_072123	07/28/23
BG31610-BLK1	Blank	07/28/23
BG31610-BLK2	Blank	07/28/23
BG31610-BS1	LCS	07/28/23
BG31610-BS2	LCS	07/28/23
BG31610-BSD1	LCS Dup	07/28/23
BG31610-BSD2	LCS Dup	07/28/23
BG31610-MS1	Matrix Spike	07/28/23
BG31610-MS2	Matrix Spike	07/28/23
BG31610-MSD1	Matrix Spike Dup	07/28/23
BG31610-MSD2	Matrix Spike Dup	07/28/23

**Batch ID:** BG31631      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/28/23
23G1300-02	RIMW05_072123	07/28/23
BG31631-BLK1	Blank	07/28/23
BG31631-BS1	LCS	07/28/23
BG31631-DUP1	Duplicate	07/28/23
BG31631-MS1	Matrix Spike	07/28/23



BG31631-PS1 Post Spike 07/28/23

Batch ID: BG31633 Preparation Method: EPA 3015A Prepared By: AD2

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1300-01, 23G1300-02, BG31633-BLK1, BG31633-BS1, BG31633-DUP1, BG31633-MS1.

Batch ID: BG31634 Preparation Method: EPA 3015A Prepared By: AD2

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1300-01, 23G1300-02, BG31634-BLK1, BG31634-BS1, BG31634-DUP1, BG31634-MS1, BG31634-PS1.

Batch ID: BG31635 Preparation Method: EPA 3015A Prepared By: AD2

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1300-01, 23G1300-02, BG31635-BLK1, BG31635-BS1, BG31635-DUP1, BG31635-MS1.

Batch ID: BG31674 Preparation Method: Analysis Preparation Prepared By: SL

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1300-01, 23G1300-02, BG31674-BLK1, BG31674-BS1, BG31674-DUP1, BG31674-MS1, BG31674-MSD1.

Batch ID: BG31731 Preparation Method: Analysis Preparation Prepared By: VR

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Row includes 23G1300-01.



23G1300-02

RIMW05\_072123

07/30/23

**Batch ID:** BG31746

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/31/23
23G1300-02	RIMW05_072123	07/31/23
BG31746-BLK1	Blank	07/31/23
BG31746-BS1	LCS	07/31/23
BG31746-DUP1	Duplicate	07/31/23
BG31746-MS1	Matrix Spike	07/31/23
BG31746-MSD1	Matrix Spike Dup	07/31/23

**Batch ID:** BG31748

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1300-01	RIMW07_072123	07/31/23
23G1300-02	RIMW05_072123	07/31/23
BG31748-BLK1	Blank	07/31/23
BG31748-BS1	LCS	07/31/23
BG31748-DUP1	Duplicate	07/31/23
BG31748-MS1	Matrix Spike	07/31/23
BG31748-MSD1	Matrix Spike Dup	07/31/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31603 - EPA 5030B**

Blank (BG31603-BLK1)	Blank	Prepared & Analyzed: 07/31/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31603 - EPA 5030B**

<b>Blank (BG31603-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 07/31/2023	
n-Butylbenzene	ND	0.500	ug/L										
n-Propylbenzene	ND	0.500	"										
o-Xylene	ND	0.500	"										
p- & m- Xylenes	ND	1.00	"										
p-Isopropyltoluene	ND	0.500	"										
sec-Butylbenzene	ND	0.500	"										
Styrene	ND	0.500	"										
tert-Butyl alcohol (TBA)	ND	1.00	"										
tert-Butylbenzene	ND	0.500	"										
Tetrachloroethylene	ND	0.500	"										
Toluene	ND	0.500	"										
trans-1,2-Dichloroethylene	ND	0.500	"										
trans-1,3-Dichloropropylene	ND	0.500	"										
Trichloroethylene	ND	0.500	"										
Trichlorofluoromethane	ND	0.500	"										
Vinyl Chloride	ND	0.500	"										
Xylenes, Total	ND	1.50	"										
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Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130						
Surrogate: SURRE: Toluene-d8	9.69		"	10.0		96.9	81-117						
Surrogate: SURRE: p-Bromofluorobenzene	9.19		"	10.0		91.9	79-122						

<b>LCS (BG31603-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 07/31/2023	
1,1,1,2-Tetrachloroethane	9.41		ug/L	10.0		94.1	82-126						
1,1,1-Trichloroethane	9.65		"	10.0		96.5	78-136						
1,1,2,2-Tetrachloroethane	9.07		"	10.0		90.7	76-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70		"	10.0		97.0	54-165						
1,1,2-Trichloroethane	9.02		"	10.0		90.2	82-123						
1,1-Dichloroethane	9.44		"	10.0		94.4	82-129						
1,1-Dichloroethylene	9.61		"	10.0		96.1	68-138						
1,2,3-Trichlorobenzene	9.16		"	10.0		91.6	76-136						
1,2,3-Trichloropropane	9.26		"	10.0		92.6	77-128						
1,2,4-Trichlorobenzene	9.31		"	10.0		93.1	76-137						
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132						
1,2-Dibromo-3-chloropropane	7.90		"	10.0		79.0	45-147						
1,2-Dibromoethane	8.94		"	10.0		89.4	83-124						
1,2-Dichlorobenzene	11.3		"	10.0		113	79-123						
1,2-Dichloroethane	9.64		"	10.0		96.4	73-132						
1,2-Dichloropropane	9.52		"	10.0		95.2	78-126						
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131						
1,3-Dichlorobenzene	9.88		"	10.0		98.8	86-122						
1,4-Dichlorobenzene	9.61		"	10.0		96.1	85-124						
1,4-Dioxane	193		"	210		91.9	10-349						
2-Butanone	8.48		"	10.0		84.8	49-152						
2-Hexanone	7.50		"	10.0		75.0	51-146						
4-Methyl-2-pentanone	7.66		"	10.0		76.6	57-145						
Acetone	8.02		"	10.0		80.2	14-150						
Acrolein	11.7		"	10.0		117	10-153						
Acrylonitrile	8.38		"	10.0		83.8	51-150						
Benzene	10.0		"	10.0		100	85-126						
Bromochloromethane	9.66		"	10.0		96.6	77-128						
Bromodichloromethane	8.64		"	10.0		86.4	79-128						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31603 - EPA 5030B**

LCS (BG31603-BS1)	LCS	Prepared & Analyzed: 07/31/2023									
Bromoform	7.64	ug/L	10.0	76.4	78-133	Low Bias					
Bromomethane	10.6	"	10.0	106	43-168						
Carbon disulfide	8.43	"	10.0	84.3	68-146						
Carbon tetrachloride	9.79	"	10.0	97.9	77-141						
Chlorobenzene	9.76	"	10.0	97.6	88-120						
Chloroethane	8.29	"	10.0	82.9	65-136						
Chloroform	9.61	"	10.0	96.1	82-128						
Chloromethane	8.15	"	10.0	81.5	43-155						
cis-1,2-Dichloroethylene	9.79	"	10.0	97.9	83-129						
cis-1,3-Dichloropropylene	8.71	"	10.0	87.1	80-131						
Cyclohexane	4.61	"	10.0	46.1	63-149	Low Bias					
Dibromochloromethane	8.79	"	10.0	87.9	80-130						
Dibromomethane	8.92	"	10.0	89.2	72-134						
Dichlorodifluoromethane	7.19	"	10.0	71.9	44-144						
Ethyl Benzene	10.3	"	10.0	103	80-131						
Hexachlorobutadiene	8.39	"	10.0	83.9	67-146						
Isopropylbenzene	10.1	"	10.0	101	76-140						
Methyl acetate	8.89	"	10.0	88.9	51-139						
Methyl tert-butyl ether (MTBE)	8.19	"	10.0	81.9	76-135						
Methylcyclohexane	9.41	"	10.0	94.1	72-143						
Methylene chloride	9.58	"	10.0	95.8	55-137						
n-Butylbenzene	10.0	"	10.0	100	79-132						
n-Propylbenzene	10.0	"	10.0	100	78-133						
o-Xylene	10.1	"	10.0	101	78-130						
p- & m- Xylenes	20.6	"	20.0	103	77-133						
p-Isopropyltoluene	10.4	"	10.0	104	81-136						
sec-Butylbenzene	9.99	"	10.0	99.9	79-137						
Styrene	9.90	"	10.0	99.0	67-132						
tert-Butyl alcohol (TBA)	25.2	"	50.0	50.3	25-162						
tert-Butylbenzene	8.64	"	10.0	86.4	77-138						
Tetrachloroethylene	9.73	"	10.0	97.3	82-131						
Toluene	9.90	"	10.0	99.0	80-127						
trans-1,2-Dichloroethylene	9.75	"	10.0	97.5	80-132						
trans-1,3-Dichloropropylene	8.29	"	10.0	82.9	78-131						
Trichloroethylene	9.51	"	10.0	95.1	82-128						
Trichlorofluoromethane	9.48	"	10.0	94.8	67-139						
Vinyl Chloride	8.07	"	10.0	80.7	58-145						
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.1	"	10.0	101	69-130						
Surrogate: SURRE: Toluene-d8	9.78	"	10.0	97.8	81-117						
Surrogate: SURRE: p-Bromofluorobenzene	9.95	"	10.0	99.5	79-122						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31603 - EPA 5030B</b>											
<b>LCS Dup (BG31603-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/31/2023									
1,1,1,2-Tetrachloroethane	8.90		ug/L	10.0		89.0	82-126		5.57	30	
1,1,1-Trichloroethane	8.99		"	10.0		89.9	78-136		7.08	30	
1,1,2,2-Tetrachloroethane	8.77		"	10.0		87.7	76-129		3.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.31		"	10.0		93.1	54-165		4.10	30	
1,1,2-Trichloroethane	8.71		"	10.0		87.1	82-123		3.50	30	
1,1-Dichloroethane	8.88		"	10.0		88.8	82-129		6.11	30	
1,1-Dichloroethylene	9.12		"	10.0		91.2	68-138		5.23	30	
1,2,3-Trichlorobenzene	8.57		"	10.0		85.7	76-136		6.66	30	
1,2,3-Trichloropropane	8.93		"	10.0		89.3	77-128		3.63	30	
1,2,4-Trichlorobenzene	8.66		"	10.0		86.6	76-137		7.23	30	
1,2,4-Trimethylbenzene	9.61		"	10.0		96.1	82-132		6.35	30	
1,2-Dibromo-3-chloropropane	7.25		"	10.0		72.5	45-147		8.58	30	
1,2-Dibromoethane	8.76		"	10.0		87.6	83-124		2.03	30	
1,2-Dichlorobenzene	9.24		"	10.0		92.4	79-123		20.4	30	
1,2-Dichloroethane	9.21		"	10.0		92.1	73-132		4.56	30	
1,2-Dichloropropane	9.00		"	10.0		90.0	78-126		5.62	30	
1,3,5-Trimethylbenzene	9.91		"	10.0		99.1	80-131		6.07	30	
1,3-Dichlorobenzene	9.29		"	10.0		92.9	86-122		6.16	30	
1,4-Dichlorobenzene	9.16		"	10.0		91.6	85-124		4.79	30	
1,4-Dioxane	206		"	210		97.9	10-349		6.32	30	
2-Butanone	8.66		"	10.0		86.6	49-152		2.10	30	
2-Hexanone	7.29		"	10.0		72.9	51-146		2.84	30	
4-Methyl-2-pentanone	7.43		"	10.0		74.3	57-145		3.05	30	
Acetone	8.72		"	10.0		87.2	14-150		8.36	30	
Acrolein	11.5		"	10.0		115	10-153		2.16	30	
Acrylonitrile	8.08		"	10.0		80.8	51-150		3.65	30	
Benzene	9.45		"	10.0		94.5	85-126		5.86	30	
Bromochloromethane	9.20		"	10.0		92.0	77-128		4.88	30	
Bromodichloromethane	8.13		"	10.0		81.3	79-128		6.08	30	
Bromoform	7.47		"	10.0		74.7	78-133	Low Bias	2.25	30	
Bromomethane	10.4		"	10.0		104	43-168		1.52	30	
Carbon disulfide	8.01		"	10.0		80.1	68-146		5.11	30	
Carbon tetrachloride	9.08		"	10.0		90.8	77-141		7.53	30	
Chlorobenzene	9.19		"	10.0		91.9	88-120		6.02	30	
Chloroethane	7.85		"	10.0		78.5	65-136		5.45	30	
Chloroform	9.02		"	10.0		90.2	82-128		6.33	30	
Chloromethane	7.83		"	10.0		78.3	43-155		4.01	30	
cis-1,2-Dichloroethylene	9.31		"	10.0		93.1	83-129		5.03	30	
cis-1,3-Dichloropropylene	8.21		"	10.0		82.1	80-131		5.91	30	
Cyclohexane	4.31		"	10.0		43.1	63-149	Low Bias	6.73	30	
Dibromochloromethane	8.32		"	10.0		83.2	80-130		5.49	30	
Dibromomethane	8.55		"	10.0		85.5	72-134		4.24	30	
Dichlorodifluoromethane	6.73		"	10.0		67.3	44-144		6.61	30	
Ethyl Benzene	9.76		"	10.0		97.6	80-131		5.58	30	
Hexachlorobutadiene	7.77		"	10.0		77.7	67-146		7.67	30	
Isopropylbenzene	9.55		"	10.0		95.5	76-140		5.30	30	
Methyl acetate	8.95		"	10.0		89.5	51-139		0.673	30	
Methyl tert-butyl ether (MTBE)	8.02		"	10.0		80.2	76-135		2.10	30	
Methylcyclohexane	8.69		"	10.0		86.9	72-143		7.96	30	
Methylene chloride	8.96		"	10.0		89.6	55-137		6.69	30	
n-Butylbenzene	9.27		"	10.0		92.7	79-132		7.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31603 - EPA 5030B

LCS Dup (BG31603-BSD1)	LCS Dup	Prepared & Analyzed: 07/31/2023									
n-Propylbenzene	9.33		ug/L	10.0		93.3	78-133		7.43	30	
o-Xylene	9.53		"	10.0		95.3	78-130		5.71	30	
p- & m- Xylenes	19.4		"	20.0		96.8	77-133		6.16	30	
p-Isopropyltoluene	9.67		"	10.0		96.7	81-136		7.56	30	
sec-Butylbenzene	9.35		"	10.0		93.5	79-137		6.62	30	
Styrene	9.38		"	10.0		93.8	67-132		5.39	30	
tert-Butyl alcohol (TBA)	25.2		"	50.0		50.4	25-162		0.159	30	
tert-Butylbenzene	8.12		"	10.0		81.2	77-138		6.21	30	
Tetrachloroethylene	9.03		"	10.0		90.3	82-131		7.46	30	
Toluene	9.23		"	10.0		92.3	80-127		7.00	30	
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		6.79	30	
trans-1,3-Dichloropropylene	7.81		"	10.0		78.1	78-131		5.96	30	
Trichloroethylene	8.69		"	10.0		86.9	82-128		9.01	30	
Trichlorofluoromethane	8.98		"	10.0		89.8	67-139		5.42	30	
Vinyl Chloride	7.60		"	10.0		76.0	58-145		6.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.99		"	10.0		99.9	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.99		"	10.0		99.9	79-122				

Matrix Spike (BG31603-MS1)	Matrix Spike	*Source sample: 23G1300-01 (RIMW07_072123) Prepared & Analyzed: 07/31/2023									
1,1,1,2-Tetrachloroethane	8.91		ug/L	10.0	0.00	89.1	45-161				
1,1,1-Trichloroethane	9.82		"	10.0	0.00	98.2	70-146				
1,1,2,2-Tetrachloroethane	7.38		"	10.0	0.00	73.8	74-121	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	0.00	102	21-217				
1,1,2-Trichloroethane	9.16		"	10.0	0.00	91.6	59-146				
1,1-Dichloroethane	9.18		"	10.0	0.00	91.8	54-146				
1,1-Dichloroethylene	9.83		"	10.0	0.00	98.3	44-165				
1,2,3-Trichlorobenzene	8.57		"	10.0	0.00	85.7	40-161				
1,2,3-Trichloropropane	8.55		"	10.0	0.00	85.5	74-127				
1,2,4-Trichlorobenzene	8.52		"	10.0	0.00	85.2	41-161				
1,2,4-Trimethylbenzene	8.83		"	10.0	0.00	88.3	72-129				
1,2-Dibromo-3-chloropropane	7.00		"	10.0	0.00	70.0	31-151				
1,2-Dibromoethane	9.08		"	10.0	0.00	90.8	75-125				
1,2-Dichlorobenzene	8.84		"	10.0	0.00	88.4	63-122				
1,2-Dichloroethane	9.87		"	10.0	0.00	98.7	68-131				
1,2-Dichloropropane	8.78		"	10.0	0.00	87.8	77-121				
1,3,5-Trimethylbenzene	9.21		"	10.0	0.00	92.1	69-126				
1,3-Dichlorobenzene	8.72		"	10.0	0.00	87.2	74-119				
1,4-Dichlorobenzene	8.65		"	10.0	0.00	86.5	70-124				
1,4-Dioxane	143		"	210	0.00	68.1	10-310				
2-Butanone	9.30		"	10.0	0.00	93.0	10-193				
2-Hexanone	7.77		"	10.0	0.00	77.7	53-133				
4-Methyl-2-pentanone	7.72		"	10.0	0.00	77.2	38-150				
Acetone	8.74		"	10.0	1.33	74.1	13-149				
Acrolein	11.9		"	10.0	0.00	119	10-195				
Acrylonitrile	8.62		"	10.0	0.00	86.2	37-165				
Benzene	9.76		"	10.0	0.00	97.6	38-155				
Bromochloromethane	9.67		"	10.0	0.00	96.7	75-121				
Bromodichloromethane	7.99		"	10.0	0.00	79.9	70-129				
Bromoform	7.59		"	10.0	0.00	75.9	66-136				
Bromomethane	9.87		"	10.0	0.00	98.7	30-158				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31603 - EPA 5030B</b>												
<b>Matrix Spike (BG31603-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>					<b>Prepared &amp; Analyzed: 07/31/2023</b>					
Carbon disulfide	8.50		ug/L	10.0	0.00	85.0	10-138					
Carbon tetrachloride	10.2		"	10.0	0.00	102	71-146					
Chlorobenzene	9.29		"	10.0	0.00	92.9	81-117					
Chloroethane	9.24		"	10.0	1.09	81.5	51-145					
Chloroform	9.48		"	10.0	0.00	94.8	80-124					
Chloromethane	7.41		"	10.0	0.00	74.1	16-163					
cis-1,2-Dichloroethylene	9.55		"	10.0	0.00	95.5	76-125					
cis-1,3-Dichloropropylene	8.04		"	10.0	0.00	80.4	58-131					
Cyclohexane	4.63		"	10.0	0.00	46.3	70-130	Low Bias				
Dibromochloromethane	8.36		"	10.0	0.00	83.6	71-129					
Dibromomethane	8.70		"	10.0	0.00	87.0	76-120					
Dichlorodifluoromethane	7.46		"	10.0	0.00	74.6	30-147					
Ethyl Benzene	9.91		"	10.0	0.00	99.1	72-128					
Hexachlorobutadiene	8.61		"	10.0	0.00	86.1	34-166					
Isopropylbenzene	8.28		"	10.0	0.00	82.8	66-139					
Methyl acetate	9.73		"	10.0	0.00	97.3	10-200					
Methyl tert-butyl ether (MTBE)	8.45		"	10.0	0.00	84.5	75-128					
Methylcyclohexane	9.10		"	10.0	0.00	91.0	70-130					
Methylene chloride	9.36		"	10.0	0.00	93.6	57-128					
n-Butylbenzene	9.07		"	10.0	0.00	90.7	61-138					
n-Propylbenzene	8.80		"	10.0	0.00	88.0	66-134					
o-Xylene	9.51		"	10.0	0.00	95.1	69-126					
p- & m- Xylenes	19.7		"	20.0	0.00	98.3	67-130					
p-Isopropyltoluene	9.17		"	10.0	0.00	91.7	64-137					
sec-Butylbenzene	8.85		"	10.0	0.00	88.5	53-155					
Styrene	9.46		"	10.0	0.00	94.6	69-125					
tert-Butyl alcohol (TBA)	28.3		"	50.0	0.00	56.6	10-130					
tert-Butylbenzene	7.58		"	10.0	0.00	75.8	65-139					
Tetrachloroethylene	9.53		"	10.0	0.00	95.3	64-139					
Toluene	9.32		"	10.0	0.00	93.2	76-123					
trans-1,2-Dichloroethylene	9.68		"	10.0	0.00	96.8	79-131					
trans-1,3-Dichloropropylene	7.79		"	10.0	0.00	77.9	55-130					
Trichloroethylene	9.06		"	10.0	0.00	90.6	53-145					
Trichlorofluoromethane	10.2		"	10.0	0.00	102	61-142					
Vinyl Chloride	7.88		"	10.0	0.00	78.8	31-165					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>69-130</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>81-117</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.59</i>		<i>"</i>	<i>10.0</i>		<i>85.9</i>	<i>79-122</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31603 - EPA 5030B</b>											
<b>Matrix Spike Dup (BG31603-1) Matrix Spike Dup</b>						Source sample: 23G1300-01 (RIMW07_072123)					
						Prepared & Analyzed: 07/31/2023					
1,1,1,2-Tetrachloroethane	9.95		ug/L	10.0	0.00	99.5	45-161		11.0	30	
1,1,1-Trichloroethane	10.8		"	10.0	0.00	108	70-146		9.51	30	
1,1,2,2-Tetrachloroethane	8.92		"	10.0	0.00	89.2	74-121		18.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0	0.00	111	21-217		8.92	30	
1,1,2-Trichloroethane	9.82		"	10.0	0.00	98.2	59-146		6.95	30	
1,1-Dichloroethane	10.4		"	10.0	0.00	104	54-146		12.9	30	
1,1-Dichloroethylene	11.0		"	10.0	0.00	110	44-165		11.1	30	
1,2,3-Trichlorobenzene	8.65		"	10.0	0.00	86.5	40-161		0.929	30	
1,2,3-Trichloropropane	9.58		"	10.0	0.00	95.8	74-127		11.4	30	
1,2,4-Trichlorobenzene	8.62		"	10.0	0.00	86.2	41-161		1.17	30	
1,2,4-Trimethylbenzene	9.80		"	10.0	0.00	98.0	72-129		10.4	30	
1,2-Dibromo-3-chloropropane	7.87		"	10.0	0.00	78.7	31-151		11.7	30	
1,2-Dibromoethane	10.0		"	10.0	0.00	100	75-125		9.84	30	
1,2-Dichlorobenzene	9.62		"	10.0	0.00	96.2	63-122		8.45	30	
1,2-Dichloroethane	10.9		"	10.0	0.00	109	68-131		9.73	30	
1,2-Dichloropropane	9.94		"	10.0	0.00	99.4	77-121		12.4	30	
1,3,5-Trimethylbenzene	10.1		"	10.0	0.00	101	69-126		9.02	30	
1,3-Dichlorobenzene	9.45		"	10.0	0.00	94.5	74-119		8.04	30	
1,4-Dichlorobenzene	9.38		"	10.0	0.00	93.8	70-124		8.10	30	
1,4-Dioxane	240		"	210	0.00	114	10-310		50.8	30	Non-dir.
2-Butanone	10.4		"	10.0	0.00	104	10-193		11.4	30	
2-Hexanone	8.88		"	10.0	0.00	88.8	53-133		13.3	30	
4-Methyl-2-pentanone	8.56		"	10.0	0.00	85.6	38-150		10.3	30	
Acetone	9.59		"	10.0	1.33	82.6	13-149		9.27	30	
Acrolein	13.0		"	10.0	0.00	130	10-195		9.39	30	
Acrylonitrile	9.71		"	10.0	0.00	97.1	37-165		11.9	30	
Benzene	11.0		"	10.0	0.00	110	38-155		11.6	30	
Bromochloromethane	10.6		"	10.0	0.00	106	75-121		8.99	30	
Bromodichloromethane	9.03		"	10.0	0.00	90.3	70-129		12.2	30	
Bromoform	8.24		"	10.0	0.00	82.4	66-136		8.21	30	
Bromomethane	11.6		"	10.0	0.00	116	30-158		16.5	30	
Carbon disulfide	9.23		"	10.0	0.00	92.3	10-138		8.23	30	
Carbon tetrachloride	11.0		"	10.0	0.00	110	71-146		7.71	30	
Chlorobenzene	10.4		"	10.0	0.00	104	81-117		10.9	30	
Chloroethane	10.6		"	10.0	1.09	95.4	51-145		14.0	30	
Chloroform	10.6		"	10.0	0.00	106	80-124		11.3	30	
Chloromethane	8.81		"	10.0	0.00	88.1	16-163		17.3	30	
cis-1,2-Dichloroethylene	10.7		"	10.0	0.00	107	76-125		11.5	30	
cis-1,3-Dichloropropylene	9.14		"	10.0	0.00	91.4	58-131		12.8	30	
Cyclohexane	5.02		"	10.0	0.00	50.2	70-130	Low Bias	8.08	30	
Dibromochloromethane	9.40		"	10.0	0.00	94.0	71-129		11.7	30	
Dibromomethane	9.73		"	10.0	0.00	97.3	76-120		11.2	30	
Dichlorodifluoromethane	8.04		"	10.0	0.00	80.4	30-147		7.48	30	
Ethyl Benzene	10.9		"	10.0	0.00	109	72-128		9.42	30	
Hexachlorobutadiene	8.72		"	10.0	0.00	87.2	34-166		1.27	30	
Isopropylbenzene	9.59		"	10.0	0.00	95.9	66-139		14.7	30	
Methyl acetate	10.5		"	10.0	0.00	105	10-200		7.52	30	
Methyl tert-butyl ether (MTBE)	9.59		"	10.0	0.00	95.9	75-128		12.6	30	
Methylcyclohexane	9.57		"	10.0	0.00	95.7	70-130		5.03	30	
Methylene chloride	10.4		"	10.0	0.00	104	57-128		10.4	30	
n-Butylbenzene	9.57		"	10.0	0.00	95.7	61-138		5.36	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31603 - EPA 5030B**

Matrix Spike Dup (BG31603-1)	Matrix Spike Dup	Source sample: 23G1300-01 (RIMW07_072123)	Prepared & Analyzed: 07/31/2023								
n-Propylbenzene	9.74	ug/L	10.0	0.00	97.4	66-134	10.1	30			
o-Xylene	10.5	"	10.0	0.00	105	69-126	9.80	30			
p- & m- Xylenes	21.7	"	20.0	0.00	108	67-130	9.73	30			
p-Isopropyltoluene	9.91	"	10.0	0.00	99.1	64-137	7.76	30			
sec-Butylbenzene	9.51	"	10.0	0.00	95.1	53-155	7.19	30			
Styrene	10.3	"	10.0	0.00	103	69-125	8.79	30			
tert-Butyl alcohol (TBA)	33.4	"	50.0	0.00	66.9	10-130	16.6	30			
tert-Butylbenzene	8.32	"	10.0	0.00	83.2	65-139	9.31	30			
Tetrachloroethylene	10.4	"	10.0	0.00	104	64-139	8.54	30			
Toluene	10.4	"	10.0	0.00	104	76-123	10.6	30			
trans-1,2-Dichloroethylene	10.6	"	10.0	0.00	106	79-131	8.79	30			
trans-1,3-Dichloropropylene	8.82	"	10.0	0.00	88.2	55-130	12.4	30			
Trichloroethylene	10.0	"	10.0	0.00	100	53-145	9.86	30			
Trichlorofluoromethane	10.8	"	10.0	0.00	108	61-142	6.37	30			
Vinyl Chloride	9.33	"	10.0	0.00	93.3	31-165	16.9	30			
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7	"	10.0		107	69-130					
Surrogate: SURR: Toluene-d8	9.70	"	10.0		97.0	81-117					
Surrogate: SURR: p-Bromofluorobenzene	9.09	"	10.0		90.9	79-122					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31402 - EPA 3510C

Blank (BG31402-BLK1) Blank

Prepared: 07/25/2023 Analyzed: 07/26/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31402 - EPA 3510C

Blank (BG31402-BLK1) Blank Prepared: 07/25/2023 Analyzed: 07/26/2023

Surrogate: SURR: 2-Fluorophenol	14.2		ug/L	50.0		28.4	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.04		"	50.0		14.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.4		"	25.0		69.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.7		"	25.0		70.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	77.9		"	50.0		156	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.9		"	25.0		83.8	30.7-106				

Blank (BG31402-BLK2) Blank Prepared: 07/25/2023 Analyzed: 07/26/2023

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.100	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31402 - EPA 3510C</b>											
<b>LCS (BG31402-BS1)</b>	<b>LCS</b>	Prepared: 07/25/2023 Analyzed: 07/26/2023									
1,1-Biphenyl	13.4	5.00	ug/L	25.0		53.4	33-95				
1,2,4,5-Tetrachlorobenzene	20.9	5.00	"	25.0		83.4	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	7.49	5.00	"	25.0		30.0	16-141				
2,3,4,6-Tetrachlorophenol	10.3	5.00	"	25.0		41.2	30-130				
2,4,5-Trichlorophenol	14.3	5.00	"	25.0		57.0	32-114				
2,4,6-Trichlorophenol	14.3	5.00	"	25.0		57.3	35-118				
2,4-Dichlorophenol	16.6	5.00	"	25.0		66.4	25-116				
2,4-Dimethylphenol	9.19	5.00	"	25.0		36.8	15-116				
2,4-Dinitrophenol	30.8	5.00	"	25.0		123	10-170				
2,4-Dinitrotoluene	17.3	5.00	"	25.0		69.2	41-128				
2,6-Dinitrotoluene	16.5	5.00	"	25.0		66.0	45-116				
2-Chloronaphthalene	11.8	5.00	"	25.0		47.2	33-112				
2-Chlorophenol	9.81	5.00	"	25.0		39.2	15-120				
2-Methylnaphthalene	14.2	5.00	"	25.0		56.7	24-118				
2-Methylphenol	7.96	5.00	"	25.0		31.8	10-110				
2-Nitroaniline	12.4	5.00	"	25.0		49.7	34-129				
2-Nitrophenol	17.2	5.00	"	25.0		68.6	28-118				
3- & 4-Methylphenols	6.00	5.00	"	25.0		24.0	10-107				
3,3-Dichlorobenzidine	9.68	5.00	"	25.0		38.7	15-187				
3-Nitroaniline	11.5	5.00	"	25.0		46.1	24-134				
4,6-Dinitro-2-methylphenol	29.0	5.00	"	25.0		116	10-153				
4-Bromophenyl phenyl ether	16.9	5.00	"	25.0		67.8	34-120				
4-Chloro-3-methylphenol	14.0	5.00	"	25.0		55.8	20-120				
4-Chloroaniline	9.72	5.00	"	25.0		38.9	10-147				
4-Chlorophenyl phenyl ether	16.2	5.00	"	25.0		64.9	27-121				
4-Nitroaniline	10.6	5.00	"	25.0		42.3	13-134				
4-Nitrophenol	18.4	5.00	"	25.0		73.6	10-131				
Acetophenone	12.6	5.00	"	25.0		50.2	25-110				
Aniline	3.39	5.00	"	25.0		13.6	10-117				
Benzaldehyde	11.8	5.00	"	25.0		47.2	29-117				
Benzoic acid	4.80	5.00	"	25.0		19.2	30-130	Low Bias			
Benzyl alcohol	6.48	5.00	"	25.0		25.9	10-117				
Benzyl butyl phthalate	8.24	5.00	"	25.0		33.0	29-133				
Bis(2-chloroethoxy)methane	12.1	5.00	"	25.0		48.4	10-154				
Bis(2-chloroethyl)ether	9.95	5.00	"	25.0		39.8	17-125				
Bis(2-chloroisopropyl)ether	10.0	5.00	"	25.0		40.0	10-139				
Caprolactam	3.35	5.00	"	25.0		13.4	10-137				
Carbazole	11.4	5.00	"	25.0		45.4	42-126				
Dibenzofuran	13.1	5.00	"	25.0		52.4	36-113				
Diethyl phthalate	12.3	5.00	"	25.0		49.2	38-115				
Dimethyl phthalate	13.1	5.00	"	25.0		52.6	38-129				
Di-n-butyl phthalate	10.2	5.00	"	25.0		40.8	31-120				
Di-n-octyl phthalate	9.10	5.00	"	25.0		36.4	21-149				
Diphenylamine	12.7	5.00	"	25.0		50.7	40-140				
Hexachlorocyclopentadiene	8.73	10.0	"	25.0		34.9	10-130				
Isophorone	12.1	5.00	"	25.0		48.4	25-127				
N-nitroso-di-n-propylamine	9.93	5.00	"	25.0		39.7	26-122				
N-Nitrosodiphenylamine	11.8	5.00	"	25.0		47.4	23-149				
Phenol	3.67	5.00	"	25.0		14.7	10-110				
Pyridine	3.84	5.00	"	25.5		15.1	10-90				
Surrogate: SURR: 2-Fluorophenol	16.4		"	50.0		32.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31402 - EPA 3510C

LCS (BG31402-BS1) LCS Prepared: 07/25/2023 Analyzed: 07/26/2023

Surrogate: SURR: Phenol-d6	8.64		ug/L	50.0		17.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.7		"	25.0		74.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.6		"	25.0		74.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	81.8		"	50.0		164	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.9		"	25.0		87.6	30.7-106				

LCS (BG31402-BS2) LCS Prepared: 07/25/2023 Analyzed: 07/26/2023

Acenaphthene	0.710	0.0500	ug/L	1.00		71.0	25-116				
Acenaphthylene	0.800	0.0500	"	1.00		80.0	26-116				
Anthracene	0.840	0.0500	"	1.00		84.0	25-123				
Benzo(a)anthracene	0.840	0.0500	"	1.00		84.0	33-125				
Benzo(a)pyrene	0.820	0.0500	"	1.00		82.0	32-132				
Benzo(b)fluoranthene	0.880	0.0500	"	1.00		88.0	22-137				
Benzo(g,h,i)perylene	0.960	0.0500	"	1.00		96.0	10-138				
Benzo(k)fluoranthene	0.800	0.0500	"	1.00		80.0	20-137				
Bis(2-ethylhexyl)phthalate	3.17	0.500	"	1.00		317	10-189	High Bias			
Chrysene	0.790	0.0500	"	1.00		79.0	32-124				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	16-133				
Fluoranthene	0.840	0.0500	"	1.00		84.0	32-121				
Fluorene	0.810	0.0500	"	1.00		81.0	28-118				
Hexachlorobenzene	0.930	0.0200	"	1.00		93.0	23-124				
Hexachlorobutadiene	0.680	0.500	"	1.00		68.0	15-123				
Hexachloroethane	3.16	0.500	"	1.00		316	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.01	0.0500	"	1.00		101	15-135				
Naphthalene	0.750	0.0500	"	1.00		75.0	18-120				
Nitrobenzene	0.950	0.250	"	1.00		95.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.78	0.250	"	1.00		178	10-156	High Bias			
Phenanthrene	0.790	0.0500	"	1.00		79.0	24-127				
Pyrene	0.770	0.0500	"	1.00		77.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31402 - EPA 3510C</b>												
<b>Matrix Spike (BG31402-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1300-01 (RIMW07_072123)						Prepared: 07/25/2023 Analyzed: 07/26/2023				
1,1-Biphenyl	16.3	5.00	ug/L	25.0	ND	65.2	26-79					
1,2,4,5-Tetrachlorobenzene	29.8	5.00	"	25.0	ND	119	33-90	High Bias				
1,2-Diphenylhydrazine (as Azobenzene)	10.3	5.00	"	25.0	ND	41.3	21-107					
2,3,4,6-Tetrachlorophenol	15.3	5.00	"	25.0	ND	61.4	30-130					
2,4,5-Trichlorophenol	20.3	5.00	"	25.0	ND	81.1	43-96					
2,4,6-Trichlorophenol	20.4	5.00	"	25.0	ND	81.5	46-94					
2,4-Dichlorophenol	23.7	5.00	"	25.0	ND	94.8	26-101					
2,4-Dimethylphenol	13.2	5.00	"	25.0	ND	52.9	10-104					
2,4-Dinitrophenol	47.4	5.00	"	25.0	ND	190	10-146	High Bias				
2,4-Dinitrotoluene	24.8	5.00	"	25.0	ND	99.0	30-108					
2,6-Dinitrotoluene	23.0	5.00	"	25.0	ND	91.9	38-98					
2-Chloronaphthalene	17.1	5.00	"	25.0	ND	68.6	30-89					
2-Chlorophenol	14.3	5.00	"	25.0	ND	57.3	24-98					
2-Methylnaphthalene	20.4	5.00	"	25.0	ND	81.6	10-112					
2-Methylphenol	11.4	5.00	"	25.0	ND	45.4	10-134					
2-Nitroaniline	17.7	5.00	"	25.0	ND	70.7	25-110					
2-Nitrophenol	23.7	5.00	"	25.0	ND	94.7	10-139					
3- & 4-Methylphenols	8.85	5.00	"	25.0	ND	35.4	10-91					
3,3-Dichlorobenzidine	ND	5.00	"	25.0	ND		10-140	Low Bias				
3-Nitroaniline	13.8	5.00	"	25.0	ND	55.0	22-111					
4,6-Dinitro-2-methylphenol	40.6	5.00	"	25.0	ND	162	10-140	High Bias				
4-Bromophenyl phenyl ether	22.9	5.00	"	25.0	ND	91.7	30-108					
4-Chloro-3-methylphenol	19.7	5.00	"	25.0	ND	78.9	11-109					
4-Chloroaniline	11.6	5.00	"	25.0	ND	46.3	10-116					
4-Chlorophenyl phenyl ether	22.5	5.00	"	25.0	ND	90.1	39-85	High Bias				
4-Nitroaniline	15.1	5.00	"	25.0	ND	60.4	11-132					
4-Nitrophenol	23.3	5.00	"	25.0	ND	93.4	10-82	High Bias				
Acetophenone	15.2	5.00	"	25.0	ND	60.9	14-102					
Aniline	5.86	5.00	"	25.0	ND	23.4	10-80					
Benzaldehyde	14.8	5.00	"	25.0	ND	59.0	13-87					
Benzoic acid	6.40	5.00	"	25.0	ND	25.6	10-162					
Benzyl alcohol	8.61	5.00	"	25.0	ND	34.4	10-102					
Benzyl butyl phthalate	11.2	5.00	"	25.0	ND	45.0	10-133					
Bis(2-chloroethoxy)methane	17.3	5.00	"	25.0	ND	69.1	18-105					
Bis(2-chloroethyl)ether	14.4	5.00	"	25.0	ND	57.7	10-108					
Bis(2-chloroisopropyl)ether	14.6	5.00	"	25.0	ND	58.3	13-116					
Caprolactam	3.34	5.00	"	25.0	ND	13.4	10-75					
Carbazole	15.9	5.00	"	25.0	ND	63.7	36-108					
Dibenzofuran	18.5	5.00	"	25.0	ND	73.8	34-92					
Diethyl phthalate	16.8	5.00	"	25.0	ND	67.1	33-98					
Dimethyl phthalate	18.0	5.00	"	25.0	ND	72.0	18-116					
Di-n-butyl phthalate	13.8	5.00	"	25.0	ND	55.3	25-97					
Di-n-octyl phthalate	12.4	5.00	"	25.0	ND	49.8	10-137					
Diphenylamine	17.2	5.00	"	25.0	ND	68.7	40-140					
Hexachlorocyclopentadiene	14.0	10.0	"	25.0	ND	56.1	10-79					
Isophorone	18.0	5.00	"	25.0	ND	71.8	25-103					
N-nitroso-di-n-propylamine	15.0	5.00	"	25.0	ND	60.0	19-115					
N-Nitrosodiphenylamine	16.2	5.00	"	25.0	ND	64.6	31-112					
Phenol	4.92	5.00	"	25.0	ND	19.7	10-61					
Pyridine	6.16	5.00	"	25.5	ND	24.2	10-78					
Surrogate: SURR: 2-Fluorophenol	17.1		"	50.0		34.1	19.7-63.1					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31402 - EPA 3510C</b>											
<b>Matrix Spike (BG31402-MS1) Matrix Spike</b> *Source sample: 23G1300-01 (RIMW07_072123) Prepared: 07/25/2023 Analyzed: 07/26/2023											
Surrogate: SURR: Phenol-d6	9.32		ug/L	50.0		18.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.1		"	25.0		80.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.9		"	25.0		79.6	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	83.0		"	50.0		166	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.6		"	25.0		70.2	30.7-106				
<b>Matrix Spike Dup (BG31402-1) Matrix Spike Dup</b> *Source sample: 23G1300-01 (RIMW07_072123) Prepared: 07/25/2023 Analyzed: 07/26/2023											
1,1-Biphenyl	20.4	5.00	ug/L	25.0	ND	81.7	26-79	High Bias	22.5	25	
1,2,4,5-Tetrachlorobenzene	38.5	5.00	"	25.0	ND	154	33-90	High Bias	25.5	25	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	14.6	5.00	"	25.0	ND	58.2	21-107		34.0	25	Non-dir.
2,3,4,6-Tetrachlorophenol	24.5	5.00	"	25.0	ND	98.2	30-130		46.1	25	Non-dir.
2,4,5-Trichlorophenol	28.1	5.00	"	25.0	ND	112	43-96	High Bias	32.3	25	Non-dir.
2,4,6-Trichlorophenol	28.2	5.00	"	25.0	ND	113	46-94	High Bias	32.3	25	Non-dir.
2,4-Dichlorophenol	31.6	5.00	"	25.0	ND	126	26-101	High Bias	28.6	25	Non-dir.
2,4-Dimethylphenol	17.6	5.00	"	25.0	ND	70.6	10-104		28.6	25	Non-dir.
2,4-Dinitrophenol	75.3	5.00	"	25.0	ND	301	10-146	High Bias	45.3	25	Non-dir.
2,4-Dinitrotoluene	35.3	5.00	"	25.0	ND	141	30-108	High Bias	35.1	25	Non-dir.
2,6-Dinitrotoluene	32.6	5.00	"	25.0	ND	130	38-98	High Bias	34.6	25	Non-dir.
2-Chloronaphthalene	22.0	5.00	"	25.0	ND	88.2	30-89		25.0	25	
2-Chlorophenol	18.1	5.00	"	25.0	ND	72.2	24-98		23.1	25	
2-Methylnaphthalene	27.3	5.00	"	25.0	ND	109	10-112		28.7	25	Non-dir.
2-Methylphenol	15.0	5.00	"	25.0	ND	60.2	10-134		27.9	25	Non-dir.
2-Nitroaniline	25.3	5.00	"	25.0	ND	101	25-110		35.4	25	Non-dir.
2-Nitrophenol	31.5	5.00	"	25.0	ND	126	10-139		28.3	25	Non-dir.
3- & 4-Methylphenols	12.2	5.00	"	25.0	ND	48.9	10-91		32.1	25	Non-dir.
3,3-Dichlorobenzidine	ND	5.00	"	25.0	ND		10-140	Low Bias		25	
3-Nitroaniline	18.4	5.00	"	25.0	ND	73.5	22-111		28.7	25	Non-dir.
4,6-Dinitro-2-methylphenol	62.3	5.00	"	25.0	ND	249	10-140	High Bias	42.2	25	Non-dir.
4-Bromophenyl phenyl ether	32.0	5.00	"	25.0	ND	128	30-108	High Bias	33.1	25	Non-dir.
4-Chloro-3-methylphenol	28.1	5.00	"	25.0	ND	112	11-109	High Bias	34.9	25	Non-dir.
4-Chloroaniline	13.5	5.00	"	25.0	ND	54.1	10-116		15.6	25	
4-Chlorophenyl phenyl ether	31.2	5.00	"	25.0	ND	125	39-85	High Bias	32.4	25	Non-dir.
4-Nitroaniline	ND	5.00	"	25.0	ND		11-132	Low Bias		25	
4-Nitrophenol	30.5	5.00	"	25.0	ND	122	10-82	High Bias	26.5	25	Non-dir.
Acetophenone	19.4	5.00	"	25.0	ND	77.6	14-102		24.1	25	
Aniline	5.93	5.00	"	25.0	ND	23.7	10-80		1.19	25	
Benzaldehyde	17.4	5.00	"	25.0	ND	69.7	13-87		16.7	25	
Benzoic acid	10.9	5.00	"	25.0	ND	43.7	10-162		52.2	25	Non-dir.
Benzyl alcohol	11.2	5.00	"	25.0	ND	44.9	10-102		26.3	25	Non-dir.
Benzyl butyl phthalate	16.8	5.00	"	25.0	ND	67.2	10-133		39.5	25	Non-dir.
Bis(2-chloroethoxy)methane	23.1	5.00	"	25.0	ND	92.4	18-105		28.9	25	Non-dir.
Bis(2-chloroethyl)ether	18.6	5.00	"	25.0	ND	74.6	10-108		25.5	25	Non-dir.
Bis(2-chloroisopropyl)ether	18.8	5.00	"	25.0	ND	75.4	13-116		25.6	25	Non-dir.
Caprolactam	4.34	5.00	"	25.0	ND	17.4	10-75		26.0	25	Non-dir.
Carbazole	23.2	5.00	"	25.0	ND	92.9	36-108		37.2	25	Non-dir.
Dibenzofuran	25.0	5.00	"	25.0	ND	99.8	34-92	High Bias	29.9	25	Non-dir.
Diethyl phthalate	24.3	5.00	"	25.0	ND	97.4	33-98		36.8	25	Non-dir.
Dimethyl phthalate	25.5	5.00	"	25.0	ND	102	18-116		34.5	25	Non-dir.
Di-n-butyl phthalate	20.0	5.00	"	25.0	ND	80.0	25-97		36.4	25	Non-dir.
Di-n-octyl phthalate	17.9	5.00	"	25.0	ND	71.7	10-137		36.2	25	Non-dir.
Diphenylamine	24.4	5.00	"	25.0	ND	97.7	40-140		34.8	25	Non-dir.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31402 - EPA 3510C

Matrix Spike Dup (BG31402-1)	Matrix Spike Dup	Source sample: 23G1300-01 (RIMW07_072123)	Prepared: 07/25/2023	Analyzed: 07/26/2023							
Hexachlorocyclopentadiene	18.7	10.0	ug/L	25.0	ND	74.9	10-79		28.7	25	Non-dir.
Isophorone	24.0	5.00	"	25.0	ND	95.8	25-103		28.6	25	Non-dir.
N-nitroso-di-n-propylamine	20.4	5.00	"	25.0	ND	81.7	19-115		30.6	25	Non-dir.
N-Nitrosodiphenylamine	22.8	5.00	"	25.0	ND	91.3	31-112		34.2	25	Non-dir.
Phenol	6.25	5.00	"	25.0	ND	25.0	10-61		23.8	25	
Pyridine	3.01	5.00	"	25.5	ND	11.8	10-78		68.7	25	Non-dir.
Surrogate: SURR: 2-Fluorophenol	20.4		"	50.0		40.7	19.7-63.1				
Surrogate: SURR: Phenol-d6	12.2		"	50.0		24.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	25.5		"	25.0		102	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	25.5		"	25.0		102	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	117		"	50.0		233	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.3		"	25.0		113	30.7-106				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31257 - EPA 3535A</b>												
<b>Blank (BG31257-BLK1)</b>	<b>Blank</b>										Prepared: 07/23/2023 Analyzed: 07/24/2023	
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.92		"	4.00		73.0	36.6-118					
<b>LCS (BG31257-BS1)</b>	<b>LCS</b>										Prepared: 07/23/2023 Analyzed: 07/24/2023	
1,4-Dioxane	4.24	0.300	ug/L	4.00		106	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.84		"	4.00		71.1	36.6-118					
<b>Matrix Spike (BG31257-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared: 07/23/2023 Analyzed: 07/24/2023
1,4-Dioxane	4.32	0.300	ug/L	4.00	0.384	98.4	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.25		"	4.00		81.4	50-130					
<b>Matrix Spike Dup (BG31257-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared: 07/23/2023 Analyzed: 07/24/2023
1,4-Dioxane	4.40	0.300	ug/L	4.00	0.384	100	50-130		1.83	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	3.05		"	4.00		76.4	50-130					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31591 - EPA 1633 Prep

Blank (BG31591-BLK1) Blank Prepared: 07/27/2023 Analyzed: 07/28/2023

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	64.7		"	46.6		139	25-150				
Surrogate: M5PFHxA	72.2		"	50.0		144	25-150				
Surrogate: M4PFHpA	77.9		"	50.0		156	25-150				
Surrogate: M3PFHxS	61.1		"	47.4		129	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	57.9		"	50.0		116	25-150				
Surrogate: M6PFDA	27.3		"	25.0		109	25-150				
Surrogate: M7PFUdA	24.4		"	25.0		97.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.3		"	25.0		89.2	25-150				
Surrogate: M2PFTeDA	18.1		"	25.0		72.5	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31591 - EPA 1633 Prep</b>											
<b>Blank (BG31591-BLK1) Blank</b>		Prepared: 07/27/2023 Analyzed: 07/28/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	22.8		ng/L	200		11.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	63.6		"	47.9		133	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.3		"	50.0		123	10-150				
Surrogate: d3-N-MeFOSAA	109		"	100		109	25-150				
Surrogate: d5-N-EtFOSAA	144		"	100		144	25-150				
Surrogate: M2-6:2 FTS	122		"	95.1		128	25-200				
Surrogate: M2-8:2 FTS	137		"	96.0		143	25-200				
Surrogate: M9PFNA	34.1		"	25.0		136	25-150				
Surrogate: M2-4:2 FTS	121		"	93.8		129	25-150				
Surrogate: d-N-MeFOSA	30.6		"	50.0		61.3	25-150				
Surrogate: d-N-EtFOSA	16.8		"	50.0		33.6	25-150				
Surrogate: M3HFPO-DA	288		"	200		144	25-150				
Surrogate: d9-N-EtFOSE	299		"	500		59.7	25-150				
Surrogate: d7-N-MeFOSE	359		"	500		71.8	25-150				
<b>LCS (BG31591-BS1) LCS</b>		Prepared: 07/27/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	70.4	3.54	ng/L	70.8		99.5	50-150				
Perfluorohexanoic acid (PFHxA)	72.5	4.00	"	80.0		90.6	50-150				
Perfluoroheptanoic acid (PFHpA)	65.7	4.00	"	80.0		82.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	72.3	3.66	"	73.2		98.8	50-150				
Perfluorooctanoic acid (PFOA)	70.6	4.00	"	80.0		88.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	69.7	3.72	"	74.4		93.6	50-150				
Perfluorononanoic acid (PFNA)	45.5	4.00	"	80.0		56.9	50-150				
Perfluorodecanoic acid (PFDA)	105	4.00	"	80.0		132	50-150				
Perfluoroundecanoic acid (PFUnA)	95.5	4.00	"	80.0		119	50-150				
Perfluorododecanoic acid (PFDoA)	80.4	4.00	"	80.0		101	50-150				
Perfluorotridecanoic acid (PFTrDA)	97.0	4.00	"	80.0		121	50-150				
Perfluorotetradecanoic acid (PFTA)	82.5	4.00	"	80.0		103	50-150				
N-MeFOSAA	87.5	4.00	"	80.0		109	50-150				
N-EtFOSAA	67.6	4.00	"	80.0		84.5	50-150				
Perfluoropentanoic acid (PFPeA)	162	8.00	"	160		101	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	80.0	4.00	"	80.0		100	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.2	3.82	"	76.4		118	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	77.8	3.86	"	77.2		101	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	314	15.2	"	304		103	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	427	15.4	"	307		139	50-150				
Perfluoro-n-butanoic acid (PFBA)	304	16.0	"	320		95.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	160	7.12	"	142		112	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	141	8.00	"	160		88.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	127	8.00	"	160		79.3	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	146	8.00	"	160		91.2	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	85.5	3.76	"	75.2		114	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	340	15.0	"	300		113	50-150				
HFPO-DA (Gen-X)	133	16.0	"	160		83.2	50-150				
11CL-PF3OUdS	130	15.1	"	151		85.9	50-150				
9CL-PF3ONS	135	15.0	"	150		90.5	50-150				
ADONA	175	15.1	"	151		116	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31591 - EPA 1633 Prep**

LCS (BG31591-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Perfluorododecanesulfonic acid (PFDoS)	47.8	3.88	ng/L	77.6		61.6	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	92.4	3.84	"	76.8		120	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1420	10.0	"	320		444	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1920	50.0	"	1600		120	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	334	50.0	"	1600		20.8	50-150	Low Bias			
N-MeFOSE	741	40.0	"	800		92.6	50-150				
N-MeFOSA	80.0	4.00	"	80.0		100	50-150				
N-EtFOSE	683	40.0	"	800		85.4	50-150				
N-EtFOSA	94.3	4.00	"	80.0		118	50-150				
Surrogate: M3PFBS	56.3		"	46.6		121	25-150				
Surrogate: M5PFHxA	77.9		"	50.0		156	25-150				
Surrogate: M4PFHpA	67.9		"	50.0		136	25-150				
Surrogate: M3PFHxS	57.4		"	47.4		121	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	65.4		"	50.0		131	25-150				
Surrogate: M6PFDA	24.7		"	25.0		98.6	25-150				
Surrogate: M7PFUdA	28.1		"	25.0		113	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	23.4		"	25.0		93.6	25-150				
Surrogate: M2PFTeDA	18.0		"	25.0		72.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	56.5		"	200		28.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	67.0		"	47.9		140	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	155		"	100		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.4		"	50.0		131	10-150				
Surrogate: d3-N-MeFOSAA	129		"	100		129	25-150				
Surrogate: d5-N-EtFOSAA	134		"	100		134	25-150				
Surrogate: M2-6:2 FTS	153		"	95.1		160	25-200				
Surrogate: M2-8:2 FTS	135		"	96.0		140	25-200				
Surrogate: M9PFNA	38.2		"	25.0		153	25-150				
Surrogate: M2-4:2 FTS	120		"	93.8		128	25-150				
Surrogate: d-N-MeFOSA	37.4		"	50.0		74.9	25-150				
Surrogate: d-N-EtFOSA	25.5		"	50.0		50.9	25-150				
Surrogate: M3HFPO-DA	288		"	200		144	25-150				
Surrogate: d9-N-EtFOSE	341		"	500		68.2	25-150				
Surrogate: d7-N-MeFOSE	414		"	500		82.8	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31591 - EPA 1633 Prep</b>											
<b>LCS (BG31591-BS2)</b>	<b>LCS</b>	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	15.0	3.54	ng/L	14.2		106	50-150				
Perfluorohexanoic acid (PFHxA)	15.8	4.00	"	16.0		98.8	50-150				
Perfluoroheptanoic acid (PFHpA)	13.1	4.00	"	16.0		81.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	17.1	3.66	"	14.6		117	50-150				
Perfluorooctanoic acid (PFOA)	15.1	4.00	"	16.0		94.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.9	3.72	"	14.9		100	50-150				
Perfluorononanoic acid (PFNA)	16.8	4.00	"	16.0		105	50-150				
Perfluorodecanoic acid (PFDA)	14.6	4.00	"	16.0		91.0	50-150				
Perfluoroundecanoic acid (PFUnA)	23.0	4.00	"	16.0		144	50-150				
Perfluorododecanoic acid (PFDoA)	14.6	4.00	"	16.0		91.6	50-150				
Perfluorotridecanoic acid (PFTriDA)	20.8	4.00	"	16.0		130	50-150				
Perfluorotetradecanoic acid (PFTA)	18.0	4.00	"	16.0		113	50-150				
N-MeFOSAA	16.7	4.00	"	16.0		105	50-150				
N-EtFOSAA	18.6	4.00	"	16.0		116	50-150				
Perfluoropentanoic acid (PFPeA)	33.1	8.00	"	32.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	13.6	4.00	"	16.0		85.1	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	18.7	3.82	"	15.3		123	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	16.7	3.86	"	15.4		108	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	77.4	15.2	"	60.8		127	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	109	15.4	"	61.4		178	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	65.2	16.0	"	64.0		102	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.5	7.12	"	28.5		96.6	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	30.9	8.00	"	32.0		96.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	30.9	8.00	"	32.0		96.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	31.6	8.00	"	32.0		98.7	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	20.2	3.76	"	15.0		134	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	71.3	15.0	"	60.0		119	50-150				
HFPO-DA (Gen-X)	32.8	16.0	"	32.0		102	50-150				
11CL-PF3OUdS	25.7	15.1	"	30.2		84.9	50-150				
9CL-PF3ONS	24.9	15.0	"	29.9		83.1	50-150				
ADONA	38.3	15.1	"	30.2		127	50-150				
Perfluorododecanesulfonic acid (PFDoS)	8.00	3.88	"	15.5		51.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	17.7	3.84	"	15.4		115	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	274	10.0	"	64.0		429	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	406	50.0	"	320		127	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	73.8	50.0	"	320		23.1	50-150	Low Bias			
N-MeFOSE	139	40.0	"	160		86.6	50-150				
N-MeFOSA	13.6	4.00	"	16.0		85.0	50-150				
N-EtFOSE	150	40.0	"	160		93.8	50-150				
N-EtFOSA	21.3	4.00	"	16.0		133	50-150				
Surrogate: M3PFBS	62.3		"	46.6		134	25-150				
Surrogate: M5PFHxA	86.0		"	50.0		172	25-150				
Surrogate: M4PFHpA	77.8		"	50.0		156	25-150				
Surrogate: M3PFHxS	56.0		"	47.4		118	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	72.2		"	50.0		144	25-150				
Surrogate: M6PFDA	38.9		"	25.0		156	25-150				
Surrogate: M7PFUdA	31.2		"	25.0		125	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.3		"	25.0		109	25-150				
Surrogate: M2PFTeDA	22.6		"	25.0		90.6	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31591 - EPA 1633 Prep

LCS (BG31591-BS2)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	107		ng/L	200		53.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	75.9		"	47.9		159	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	173		"	100		173	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	78.2		"	50.0		156	10-150				
Surrogate: d3-N-MeFOSAA	137		"	100		137	25-150				
Surrogate: d5-N-EtFOSAA	139		"	100		139	25-150				
Surrogate: M2-6:2 FTS	155		"	95.1		163	25-200				
Surrogate: M2-8:2 FTS	92.8		"	96.0		96.7	25-200				
Surrogate: M9PFNA	32.7		"	25.0		131	25-150				
Surrogate: M2-4:2 FTS	133		"	93.8		142	25-150				
Surrogate: d-N-MeFOSA	56.5		"	50.0		113	25-150				
Surrogate: d-N-EtFOSA	29.7		"	50.0		59.4	25-150				
Surrogate: M3HFPO-DA	316		"	200		158	25-150				
Surrogate: d9-N-EtFOSE	461		"	500		92.2	25-150				
Surrogate: d7-N-MeFOSE	538		"	500		108	25-150				

Duplicate (BG31591-DUPI1)	Duplicate	*Source sample: 23G1261-07 (Duplicate)										Prepared: 07/27/2023 Analyzed: 07/29/2023	
Perfluorobutanesulfonic acid (PFBS)	2.29	1.74	ng/L		2.28				0.612	30			
Perfluorohexanoic acid (PFHxA)	8.76	1.96	"		8.76			0.0323	30				
Perfluoroheptanoic acid (PFHpA)	3.23	1.96	"		3.63			11.7	30				
Perfluorohexanesulfonic acid (PFHxS)	1.24	1.80	"		1.07			14.5	30				
Perfluorooctanoic acid (PFOA)	2.88	1.96	"		2.57			11.6	30				
Perfluorooctanesulfonic acid (PFOS)	2.89	1.83	"		0.873			107	30	Non-dir.			
Perfluorononanoic acid (PFNA)	4.25	1.96	"		3.86			9.40	30				
Perfluorodecanoic acid (PFDA)	ND	1.96	"		ND				30				
Perfluoroundecanoic acid (PFUnA)	1.15	1.96	"		ND				30				
Perfluorododecanoic acid (PFDoA)	ND	1.96	"		ND				30				
Perfluorotridecanoic acid (PFTrDA)	ND	1.96	"		ND				30				
Perfluorotetradecanoic acid (PFTA)	ND	1.96	"		ND				30				
N-MeFOSAA	ND	1.96	"		ND				30				
N-EtFOSAA	ND	1.96	"		ND				30				
Perfluoropentanoic acid (PFPeA)	9.64	3.93	"		9.45			1.99	30				
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.96	"		ND				30				
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.88	"		ND				30				
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.90	"		ND				30				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.46	"		ND				30				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.54	"		ND				30				
Perfluoro-n-butanoic acid (PFBA)	ND	7.86	"		ND				30				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.50	"		ND				30				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.93	"		ND				30				
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.93	"		ND				30				
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.93	"		ND				30				
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.85	"		ND				30				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.37	"		ND				30				
HFPO-DA (Gen-X)	ND	7.86	"		ND				30				
11CL-PF3OUdS	ND	7.42	"		ND				30				
9CL-PF3ONS	ND	7.35	"		ND				30				
ADONA	ND	7.42	"		ND				30				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31591 - EPA 1633 Prep

Duplicate (BG31591-DUP1)	Duplicate	*Source sample: 23G1261-07 (Duplicate)				Prepared: 07/27/2023 Analyzed: 07/29/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.91	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.89	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.91	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.6	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.6	"	ND			30
N-MeFOSE	ND	19.6	"	ND			30
N-MeFOSA	ND	1.96	"	ND			30
N-EtFOSE	ND	19.6	"	ND			30
N-EtFOSA	ND	1.96	"	ND			30
Surrogate: M3PFBS	26.4		"	22.9	115	25-150	
Surrogate: M5PFHxA	35.4		"	24.6	144	25-150	
Surrogate: M4PFHpA	30.0		"	24.6	122	25-150	
Surrogate: M3PFHxS	27.0		"	23.3	116	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	26.1		"	24.6	106	25-150	
Surrogate: M6PFDA	12.6		"	12.3	103	25-150	
Surrogate: M7PFUdA	10.4		"	12.3	84.8	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.8		"	12.3	87.9	25-150	
Surrogate: M2PFTeDA	4.92		"	12.3	40.1	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.46		"	98.2	1.49	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	32.2		"	23.5	137	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	57.9		"	49.1	118	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.2		"	24.6	135	10-150	
Surrogate: d3-N-MeFOSAA	62.7		"	49.1	128	25-150	
Surrogate: d5-N-EtFOSAA	64.1		"	49.1	130	25-150	
Surrogate: M2-6:2 FTS	119		"	46.7	255	25-200	
Surrogate: M2-8:2 FTS	56.8		"	47.1	121	25-200	
Surrogate: M9PFNA	13.0		"	12.3	106	25-150	
Surrogate: M2-4:2 FTS	85.8		"	46.1	186	25-150	
Surrogate: d-N-MeFOSA	23.2		"	24.6	94.6	25-150	
Surrogate: d-N-EtFOSA	18.4		"	24.6	75.1	25-150	
Surrogate: M3HFPO-DA	114		"	98.2	116	25-150	
Surrogate: d9-N-EtFOSE	74.2		"	246	30.2	25-150	
Surrogate: d7-N-MeFOSE	98.4		"	246	40.1	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31591 - EPA 1633 Prep</b>												
<b>Duplicate (BG31591-DUP2)</b>	<b>Duplicate</b>	<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>						<b>Prepared: 07/27/2023 Analyzed: 07/29/2023</b>				
Perfluorobutanesulfonic acid (PFBS)	7.54	1.76	ng/L		5.75				26.8	30		
Perfluorohexanoic acid (PFHxA)	24.8	1.99	"		23.3				5.92	30		
Perfluoroheptanoic acid (PFHpA)	8.49	1.99	"		9.65				12.8	30		
Perfluorohexanesulfonic acid (PFHxS)	2.37	1.82	"		2.82				17.1	30		
Perfluorooctanoic acid (PFOA)	18.6	1.99	"		19.3				3.95	30		
Perfluorooctanesulfonic acid (PFOS)	9.54	1.85	"		17.0				56.2	30	Non-dir.	
Perfluorononanoic acid (PFNA)	8.18	1.99	"		8.93				8.77	30		
Perfluorodecanoic acid (PFDA)	ND	1.99	"		ND					30		
Perfluoroundecanoic acid (PFUnA)	ND	1.99	"		ND					30		
Perfluorododecanoic acid (PFDoA)	ND	1.99	"		ND					30		
Perfluorotridecanoic acid (PFTriDA)	ND	1.99	"		ND					30		
Perfluorotetradecanoic acid (PFTA)	ND	1.99	"		ND					30		
N-MeFOSAA	ND	1.99	"		ND					30		
N-EtFOSAA	ND	1.99	"		ND					30		
Perfluoropentanoic acid (PFPeA)	28.7	3.98	"		28.9				0.469	30		
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.99	"		ND					30		
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.90	"		ND					30		
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.92	"		ND					30		
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.57	"		ND					30		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.65	"		ND					30		
Perfluoro-n-butanoic acid (PFBA)	ND	7.97	"		ND					30		
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.55	"		ND					30		
Perfluoro-3,6-dioxheptanoic acid (NFDHA)	ND	3.98	"		ND					30		
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.98	"		ND					30		
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.98	"		ND					30		
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.87	"		ND					30		
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.47	"		ND					30		
HFPO-DA (Gen-X)	ND	7.97	"		ND					30		
11CL-PF3OUdS	ND	7.53	"		ND					30		
9CL-PF3ONS	ND	7.45	"		ND					30		
ADONA	ND	7.53	"		ND					30		
Perfluorododecanesulfonic acid (PFDoS)	ND	1.93	"		ND					30		
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.91	"		ND					30		
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.98	"		ND					30		
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.9	"		ND					30		
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.9	"		ND					30		
N-MeFOSE	ND	19.9	"		ND					30		
N-MeFOSA	ND	1.99	"		ND					30		
N-EtFOSE	ND	19.9	"		ND					30		
N-EtFOSA	ND	1.99	"		ND					30		
<i>Surrogate: M3PFBS</i>	18.7		"	23.2		80.5	25-150					
<i>Surrogate: M5PFHxA</i>	40.6		"	24.9		163	25-150					
<i>Surrogate: M4PFHpA</i>	21.4		"	24.9		86.1	25-150					
<i>Surrogate: M3PFHxS</i>	20.7		"	23.6		87.6	25-150					
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	32.7		"	24.9		131	25-150					
<i>Surrogate: M6PFDA</i>	15.0		"	12.4		121	25-150					
<i>Surrogate: M7PFUdA</i>	12.5		"	12.4		100	25-150					
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	9.81		"	12.4		78.8	25-150					
<i>Surrogate: M2PFTeDA</i>	8.12		"	12.4		65.2	10-150					



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31591 - EPA 1633 Prep**

**Duplicate (BG31591-DUP2) Duplicate** \*Source sample: 23G1300-01 (RIMW07\_072123) Prepared: 07/27/2023 Analyzed: 07/29/2023

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.12		ng/L	99.6		4.14	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	35.8		"	23.8		150	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	73.1		"	49.8		147	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.3		"	24.9		142	10-150				
Surrogate: d3-N-MeFOSAA	84.6		"	49.8		170	25-150				
Surrogate: d5-N-EtFOSAA	92.0		"	49.8		185	25-150				
Surrogate: M2-6:2 FTS	236		"	47.4		498	25-200				
Surrogate: M2-8:2 FTS	130		"	47.8		271	25-200				
Surrogate: M9PFNA	14.8		"	12.4		119	25-150				
Surrogate: M2-4:2 FTS	193		"	46.7		413	25-150				
Surrogate: d-N-MeFOSA	24.1		"	24.9		96.8	25-150				
Surrogate: d-N-EtFOSA	16.6		"	24.9		66.8	25-150				
Surrogate: M3HFPO-DA	97.2		"	99.6		97.6	25-150				
Surrogate: d9-N-EtFOSE	102		"	249		40.9	25-150				
Surrogate: d7-N-MeFOSE	135		"	249		54.4	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31610 - EPA 3510C

Blank (BG31610-BLK1)	Blank										
Prepared: 07/28/2023 Analyzed: 07/31/2023											
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								

Surrogate: Decachlorobiphenyl	0.0951		"	0.200		47.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.130		"	0.200		65.0	30-150				

LCS (BG31610-BS1) LCS Prepared: 07/28/2023 Analyzed: 07/31/2023

4,4'-DDD	0.0735	0.00400	ug/L	0.100		73.5	40-140			20	
4,4'-DDE	0.0715	0.00400	"	0.100		71.5	40-140			20	
4,4'-DDT	0.0772	0.00400	"	0.100		77.2	40-140			20	
Aldrin	0.0596	0.00400	"	0.100		59.6	40-140			20	
alpha-BHC	0.0676	0.00400	"	0.100		67.6	40-140			20	
alpha-Chlordane	0.0680	0.00400	"	0.100		68.0	40-140			20	
beta-BHC	0.0712	0.00400	"	0.100		71.2	40-140			20	
delta-BHC	0.0768	0.00400	"	0.100		76.8	40-140			20	
Dieldrin	0.0754	0.00200	"	0.100		75.4	40-140			20	
Endosulfan I	0.0763	0.00400	"	0.100		76.3	40-140			20	
Endosulfan II	0.0805	0.00400	"	0.100		80.5	40-140			20	
Endosulfan sulfate	0.0749	0.00400	"	0.100		74.9	40-140			20	
Endrin	0.0810	0.00400	"	0.100		81.0	40-140			20	
Endrin aldehyde	0.100	0.0100	"	0.100		100	40-140			20	
Endrin ketone	0.0937	0.0100	"	0.100		93.7	40-140			20	
gamma-BHC (Lindane)	0.0721	0.00400	"	0.100		72.1	40-140			20	
gamma-Chlordane	0.0692	0.0100	"	0.100		69.2	40-140			20	
Heptachlor	0.0742	0.00400	"	0.100		74.2	40-140			20	
Heptachlor epoxide	0.0782	0.00400	"	0.100		78.2	40-140			20	
Methoxychlor	0.0939	0.00400	"	0.100		93.9	40-140			20	

Surrogate: Decachlorobiphenyl	0.0890		"	0.200		44.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.126		"	0.200		62.9	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31610 - EPA 3510C

LCS Dup (BG31610-BS1)	LCS Dup	Prepared: 07/28/2023 Analyzed: 07/31/2023									
4,4'-DDD	0.0849	0.00400	ug/L	0.100		84.9	40-140		14.4	20	
4,4'-DDE	0.0805	0.00400	"	0.100		80.5	40-140		11.9	20	
4,4'-DDT	0.0871	0.00400	"	0.100		87.1	40-140		12.0	20	
Aldrin	0.0697	0.00400	"	0.100		69.7	40-140		15.6	20	
alpha-BHC	0.0771	0.00400	"	0.100		77.1	40-140		13.2	20	
alpha-Chlordane	0.0769	0.00400	"	0.100		76.9	40-140		12.2	20	
beta-BHC	0.0815	0.00400	"	0.100		81.5	40-140		13.4	20	
delta-BHC	0.0893	0.00400	"	0.100		89.3	40-140		15.0	20	
Dieldrin	0.0871	0.00200	"	0.100		87.1	40-140		14.3	20	
Endosulfan I	0.0868	0.00400	"	0.100		86.8	40-140		12.9	20	
Endosulfan II	0.0917	0.00400	"	0.100		91.7	40-140		13.1	20	
Endosulfan sulfate	0.0868	0.00400	"	0.100		86.8	40-140		14.7	20	
Endrin	0.0931	0.00400	"	0.100		93.1	40-140		13.9	20	
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140		12.9	20	
Endrin ketone	0.105	0.0100	"	0.100		105	40-140		11.6	20	
gamma-BHC (Lindane)	0.0825	0.00400	"	0.100		82.5	40-140		13.5	20	
gamma-Chlordane	0.0787	0.0100	"	0.100		78.7	40-140		12.9	20	
Heptachlor	0.0879	0.00400	"	0.100		87.9	40-140		16.9	20	
Heptachlor epoxide	0.0891	0.00400	"	0.100		89.1	40-140		13.0	20	
Methoxychlor	0.104	0.00400	"	0.100		104	40-140		10.4	20	
Surrogate: Decachlorobiphenyl	0.0912		"	0.200		45.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.153		"	0.200		76.4	30-150				

Matrix Spike (BG31610-MS1)	Matrix Spike	*Source sample: 23G1300-01 (RIMW07_072123) Prepared: 07/28/2023 Analyzed: 08/01/2023									
4,4'-DDD	0.0701	0.00421	ug/L	0.105	ND	66.6	30-150				20
4,4'-DDE	0.0658	0.00421	"	0.105	ND	62.5	30-150				20
4,4'-DDT	0.0757	0.00421	"	0.105	ND	72.0	30-150				20
Aldrin	0.0541	0.00421	"	0.105	ND	51.4	30-150				20
alpha-BHC	0.0531	0.00421	"	0.105	ND	50.4	30-150				20
alpha-Chlordane	0.0611	0.00421	"	0.105	ND	58.1	30-150				20
beta-BHC	0.0604	0.00421	"	0.105	ND	57.4	30-150				20
delta-BHC	0.0550	0.00421	"	0.105	ND	52.3	30-150				20
Dieldrin	0.0703	0.00211	"	0.105	ND	66.8	30-150				20
Endosulfan I	0.0651	0.00421	"	0.105	ND	61.8	30-150				20
Endosulfan II	0.0681	0.00421	"	0.105	ND	64.7	30-150				20
Endosulfan sulfate	0.0694	0.00421	"	0.105	ND	66.0	30-150				20
Endrin	0.0685	0.00421	"	0.105	ND	65.0	30-150				20
Endrin aldehyde	0.0757	0.0105	"	0.105	ND	71.9	30-150				20
Endrin ketone	0.0926	0.0105	"	0.105	ND	88.0	30-150				20
gamma-BHC (Lindane)	0.0525	0.00421	"	0.105	ND	49.8	30-150				20
gamma-Chlordane	0.0596	0.0105	"	0.105	ND	56.7	30-150				20
Heptachlor	0.0607	0.00421	"	0.105	ND	57.7	30-150				20
Heptachlor epoxide	0.0672	0.00421	"	0.105	ND	63.8	30-150				20
Methoxychlor	0.101	0.00421	"	0.105	ND	96.0	30-150				20
Surrogate: Decachlorobiphenyl	0.192		"	0.211		91.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.109		"	0.211		52.0	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31610 - EPA 3510C</b>											
<b>Matrix Spike Dup (BG31610-1) Matrix Spike Dup</b>						Source sample: 23G1300-01 (RIMW07_072123)					
						Prepared: 07/28/2023 Analyzed: 08/01/2023					
4,4'-DDD	0.0672	0.00400	ug/L	0.100	ND	67.2	30-150		4.26	20	
4,4'-DDE	0.0649	0.00400	"	0.100	ND	64.9	30-150		1.37	20	
4,4'-DDT	0.0765	0.00400	"	0.100	ND	76.5	30-150		0.941	20	
Aldrin	0.0550	0.00400	"	0.100	ND	55.0	30-150		1.75	20	
alpha-BHC	0.0539	0.00400	"	0.100	ND	53.9	30-150		1.49	20	
alpha-Chlordane	0.0598	0.00400	"	0.100	ND	59.8	30-150		2.21	20	
beta-BHC	0.0683	0.00400	"	0.100	ND	68.3	30-150		12.3	20	
delta-BHC	0.0551	0.00400	"	0.100	ND	55.1	30-150		0.143	20	
Dieldrin	0.0654	0.00200	"	0.100	ND	65.4	30-150		7.23	20	
Endosulfan I	0.0671	0.00400	"	0.100	ND	67.1	30-150		3.12	20	
Endosulfan II	0.0673	0.00400	"	0.100	ND	67.3	30-150		1.20	20	
Endosulfan sulfate	0.0682	0.00400	"	0.100	ND	68.2	30-150		1.84	20	
Endrin	0.0675	0.00400	"	0.100	ND	67.5	30-150		1.35	20	
Endrin aldehyde	0.0799	0.0100	"	0.100	ND	79.9	30-150		5.35	20	
Endrin ketone	0.0828	0.0100	"	0.100	ND	82.8	30-150		11.2	20	
gamma-BHC (Lindane)	0.0544	0.00400	"	0.100	ND	54.4	30-150		3.61	20	
gamma-Chlordane	0.0616	0.0100	"	0.100	ND	61.6	30-150		3.27	20	
Heptachlor	0.0616	0.00400	"	0.100	ND	61.6	30-150		1.44	20	
Heptachlor epoxide	0.0697	0.00400	"	0.100	ND	69.7	30-150		3.66	20	
Methoxychlor	0.101	0.00400	"	0.100	ND	101	30-150		0.475	20	
Surrogate: Decachlorobiphenyl	0.177		"	0.200		88.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.110		"	0.200		55.0	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31610 - EPA 3510C</b>											
<b>Blank (BG31610-BLK2)</b>	<b>Blank</b>								Prepared: 07/28/2023 Analyzed: 07/31/2023		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.172		"	0.200		86.0	30-120				
Surrogate: Decachlorobiphenyl	0.0770		"	0.200		38.5	30-120				
<b>LCS (BG31610-BS2)</b>	<b>LCS</b>								Prepared: 07/28/2023 Analyzed: 07/31/2023		
Aroclor 1016	0.840	0.0500	ug/L	1.00		84.0	40-120				
Aroclor 1260	0.992	0.0500	"	1.00		99.2	40-120				
Surrogate: Tetrachloro-m-xylene	0.157		"	0.200		78.5	30-120				
Surrogate: Decachlorobiphenyl	0.0730		"	0.200		36.5	30-120				
<b>LCS Dup (BG31610-BSD2)</b>	<b>LCS Dup</b>								Prepared: 07/28/2023 Analyzed: 07/31/2023		
Aroclor 1016	0.856	0.0500	ug/L	1.00		85.6	40-120	1.89	30		
Aroclor 1260	1.05	0.0500	"	1.00		105	40-120	6.12	30		
Surrogate: Tetrachloro-m-xylene	0.164		"	0.200		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.120		"	0.200		60.0	30-120				
<b>Matrix Spike (BG31610-MS2)</b>	<b>Matrix Spike</b>								*Source sample: 23G1300-01 (RIMW07_072123) Prepared: 07/28/2023 Analyzed: 08/01/2023		
Aroclor 1016	0.620	0.0526	ug/L	1.05	ND	58.9	40-140				
Aroclor 1260	0.778	0.0526	"	1.05	ND	73.9	40-140				
Surrogate: Tetrachloro-m-xylene	0.112		"	0.211		53.0	30-120				
Surrogate: Decachlorobiphenyl	0.224		"	0.211		106	30-120				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31610 - EPA 3510C**

**Matrix Spike Dup (BG31610-1) Matrix Spike Dup** Source sample: 23G1300-01 (RIMW07\_072123) Prepared: 07/28/2023 Analyzed: 08/01/2023

Aroclor 1016	0.699	0.0526	ug/L	1.05	ND	66.4	40-140		11.9	50	
Aroclor 1260	0.851	0.0526	"	1.05	ND	80.9	40-140		8.97	50	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.127</i>		"	<i>0.211</i>		<i>60.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.262</i>		"	<i>0.211</i>		<i>124</i>	<i>30-120</i>				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31518 - EPA 8151A</b>												
<b>Blank (BG31518-BLK1)</b>	<b>Blank</b>							Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	ND	5.00	ug/L									
2,4,5-TP (Silvex)	ND	5.00	"									
2,4-D	ND	5.00	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	62.8		"	125		50.2	30-150					
<b>LCS (BG31518-BS1)</b>	<b>LCS</b>							Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	26.5	5.00	ug/L	40.0		66.2	10-140					
2,4,5-TP (Silvex)	26.5	5.00	"	40.0		66.2	10-139					
2,4-D	28.8	5.00	"	40.0		71.9	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	84.2		"	125		67.4	30-150					
<b>LCS Dup (BG31518-BSD1)</b>	<b>LCS Dup</b>							Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	19.2	5.00	ug/L	40.0		48.1	10-140	31.7	30	Non-dir.		
2,4,5-TP (Silvex)	18.5	5.00	"	40.0		46.2	10-139	35.6	30	Non-dir.		
2,4-D	21.0	5.00	"	40.0		52.5	10-140	31.2	30	Non-dir.		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	63.0		"	125		50.4	30-150					
<b>Matrix Spike (BG31518-MS1)</b>	<b>Matrix Spike</b> *Source sample: 23G1300-01 (RIMW07_072123)							Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	22.2	5.00	ug/L	40.0	ND	55.6	30-150					
2,4,5-TP (Silvex)	22.0	5.00	"	40.0	ND	55.0	30-150					
2,4-D	24.5	5.00	"	40.0	ND	61.2	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	75.2		"	125		60.2	30-150					
<b>Matrix Spike Dup (BG31518-MS1)</b>	<b>Matrix Spike Dup</b> *Source sample: 23G1300-01 (RIMW07_072123)							Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	21.2	5.00	ug/L	40.0	ND	53.1	30-150	4.60	30			
2,4,5-TP (Silvex)	20.5	5.00	"	40.0	ND	51.2	30-150	7.06	30			
2,4-D	23.5	5.00	"	40.0	ND	58.8	30-150	4.17	30			
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	70.5		"	125		56.4	30-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31631 - EPA 3015A**

**Blank (BG31631-BLK1)      Blank** Prepared: 07/28/2023 Analyzed: 07/31/2023

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

**LCS (BG31631-BS1)      LCS** Prepared: 07/28/2023 Analyzed: 07/31/2023

Aluminum	1.93		ug/mL	2.00		96.4	80-120				
Barium	1.95		"	2.00		97.3	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.191		"	0.200		95.5	80-120				
Cobalt	0.488		"	0.500		97.5	80-120				
Copper	0.249		"	0.250		99.7	80-120				
Iron	1.00		"	1.00		100	80-120				
Lead	0.466		"	0.500		93.1	80-120				
Magnesium	0.981		"	1.00		98.1	80-120				
Manganese	0.480		"	0.500		96.0	80-120				
Nickel	0.490		"	0.500		97.9	80-120				
Potassium	0.877		"	1.00		87.7	80-120				
Silver	0.0465		"	0.0500		93.0	80-120				
Sodium	0.989		"	1.00		98.9	80-120				
Vanadium	0.481		"	0.500		96.1	80-120				
Zinc	0.447		"	0.500		89.4	80-120				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31631 - EPA 3015A**

Duplicate (BG31631-DUP1)	Duplicate	*Source sample: 23G1300-01 (RIMW07_072123)						Prepared: 07/28/2023 Analyzed: 07/31/2023	
Aluminum	0.549	0.0556	mg/L		ND				20
Barium	0.403	0.0278	"		0.385			4.59	20
Calcium	161	0.0556	"		164			1.53	20
Chromium	ND	0.00556	"		ND				20
Cobalt	ND	0.00444	"		ND				20
Copper	ND	0.0222	"		ND				20
Iron	16.2	0.278	"		15.0			8.18	20
Lead	0.0163	0.00556	"		ND				20
Magnesium	25.4	0.0556	"		25.0			1.57	20
Manganese	0.734	0.00556	"		0.708			3.66	20
Nickel	ND	0.0111	"		ND				20
Potassium	27.6	0.0556	"		27.2			1.41	20
Silver	ND	0.00556	"		ND				20
Sodium	891	0.556	"		892			0.124	20
Vanadium	ND	0.0111	"		ND				20
Zinc	0.0284	0.0278	"		ND				20

Matrix Spike (BG31631-MS1)	Matrix Spike	*Source sample: 23G1300-01 (RIMW07_072123)						Prepared: 07/28/2023 Analyzed: 07/31/2023	
Aluminum	3.46	0.0556	mg/L	2.22	ND	156	75-125		High Bias
Barium	2.52	0.0278	"	2.22	0.385	96.3	75-125		
Calcium	160	0.0556	"	1.11	164	NR	75-125		Low Bias
Chromium	0.211	0.00556	"	0.222	ND	94.9	75-125		
Cobalt	0.524	0.00444	"	0.556	ND	94.4	75-125		
Copper	0.304	0.0222	"	0.278	ND	109	75-125		
Iron	18.6	0.278	"	1.11	15.0	328	75-125		High Bias
Lead	0.548	0.00556	"	0.556	ND	98.7	75-125		
Magnesium	26.5	0.0556	"	1.11	25.0	136	75-125		High Bias
Manganese	1.25	0.00556	"	0.556	0.708	97.0	75-125		
Nickel	0.569	0.0111	"	0.556	ND	102	75-125		
Potassium	28.5	0.0556	"	1.11	27.2	118	75-125		
Silver	0.0532	0.00556	"	0.0556	ND	95.7	75-125		
Sodium	872	0.556	"	1.11	892	NR	75-125		Low Bias
Vanadium	0.545	0.0111	"	0.556	ND	98.2	75-125		
Zinc	0.545	0.0278	"	0.556	ND	98.1	75-125		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31631 - EPA 3015A**

Post Spike (BG31631-PS1)	Post Spike	*Source sample: 23G1300-01 (RIMW07_072123)					Prepared: 07/28/2023 Analyzed: 07/31/2023	
Aluminum	1.97		ug/mL	2.00	0.0167	97.8	75-125	
Barium	2.26		"	2.00	0.347	95.9	75-125	
Calcium	146		"	1.00	147	NR	75-125	Low Bias
Chromium	0.189		"	0.200	0.00360	92.9	75-125	
Cobalt	0.466		"	0.500	0.000714	93.1	75-125	
Copper	0.269		"	0.250	0.00274	107	75-125	
Iron	14.4		"	1.00	13.5	89.5	75-125	
Lead	0.449		"	0.500	-0.00493	89.8	75-125	
Magnesium	23.5		"	1.00	22.5	107	75-125	
Manganese	1.11		"	0.500	0.637	94.3	75-125	
Nickel	0.500		"	0.500	0.000566	100	75-125	
Potassium	25.6		"	1.00	24.5	111	75-125	
Silver	0.0511		"	0.0500	-0.00137	102	75-125	
Sodium	798		"	1.00	803	NR	75-125	Low Bias
Vanadium	0.489		"	0.500	-0.000694	97.7	75-125	
Zinc	0.471		"	0.500	0.0234	89.5	75-125	

**Batch BG31634 - EPA 3015A**

Blank (BG31634-BLK1)	Blank						Prepared: 07/28/2023 Analyzed: 08/01/2023	
Aluminum - Dissolved	ND	0.0556	mg/L					
Barium - Dissolved	ND	0.0278	"					
Calcium - Dissolved	ND	0.0556	"					
Chromium - Dissolved	ND	0.00556	"					
Cobalt - Dissolved	ND	0.00444	"					
Copper - Dissolved	ND	0.0222	"					
Iron - Dissolved	ND	0.278	"					
Lead - Dissolved	ND	0.00556	"					
Magnesium - Dissolved	ND	0.0556	"					
Manganese - Dissolved	ND	0.00556	"					
Nickel - Dissolved	ND	0.0111	"					
Potassium - Dissolved	0.246	0.0556	"					
Silver - Dissolved	ND	0.00556	"					
Sodium - Dissolved	ND	0.556	"					
Vanadium - Dissolved	ND	0.0111	"					
Zinc - Dissolved	ND	0.0278	"					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31634 - EPA 3015A**

<b>LCS (BG31634-BS1)</b>	<b>LCS</b>	Prepared: 07/28/2023 Analyzed: 08/01/2023									
Aluminum - Dissolved	1.93		ug/mL	2.00		96.4	80-120				
Barium - Dissolved	1.97		"	2.00		98.4	80-120				
Calcium - Dissolved	1.03		"	1.00		103	80-120				
Chromium - Dissolved	0.189		"	0.200		94.7	80-120				
Cobalt - Dissolved	0.483		"	0.500		96.5	80-120				
Copper - Dissolved	0.248		"	0.250		99.0	80-120				
Iron - Dissolved	0.951		"	1.00		95.1	80-120				
Lead - Dissolved	0.482		"	0.500		96.3	80-120				
Magnesium - Dissolved	0.963		"	1.00		96.3	80-120				
Manganese - Dissolved	0.489		"	0.500		97.8	80-120				
Nickel - Dissolved	0.489		"	0.500		97.9	80-120				
Potassium - Dissolved	1.02		"	1.00		102	80-120				
Silver - Dissolved	0.0460		"	0.0500		92.0	80-120				
Sodium - Dissolved	1.10		"	1.00		110	80-120				
Vanadium - Dissolved	0.480		"	0.500		96.0	80-120				
Zinc - Dissolved	0.470		"	0.500		94.1	80-120				

<b>Duplicate (BG31634-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G1300-01 (RIMW07_072123) Prepared: 07/28/2023 Analyzed: 08/01/2023									
Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.406	0.0278	"		0.407				0.204		20
Calcium - Dissolved	162	0.0556	"		160				0.973		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00444	"		ND						20
Copper - Dissolved	ND	0.0222	"		ND						20
Iron - Dissolved	14.8	0.278	"		14.5				2.58		20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	24.9	0.0556	"		24.4				1.77		20
Manganese - Dissolved	0.747	0.00556	"		0.759				1.64		20
Nickel - Dissolved	ND	0.0111	"		ND						20
Potassium - Dissolved	27.0	0.0556	"		26.4				2.19		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	891	0.556	"		887				0.410		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	ND	0.0278	"		ND						20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31634 - EPA 3015A**

<b>Matrix Spike (BG31634-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>						<b>Prepared: 07/28/2023 Analyzed: 08/01/2023</b>			
Aluminum - Dissolved	2.17	0.0556	mg/L	2.22	ND	97.6	75-125				
Barium - Dissolved	2.72	0.0278	"	2.22	0.407	104	75-125				
Calcium - Dissolved	162	0.0556	"	1.11	160	126	75-125	High Bias			
Chromium - Dissolved	0.224	0.00556	"	0.222	ND	101	75-125				
Cobalt - Dissolved	0.561	0.00444	"	0.556	ND	101	75-125				
Copper - Dissolved	0.320	0.0222	"	0.278	ND	115	75-125				
Iron - Dissolved	15.5	0.278	"	1.11	14.5	92.8	75-125				
Lead - Dissolved	0.545	0.00556	"	0.556	ND	98.2	75-125				
Magnesium - Dissolved	25.4	0.0556	"	1.11	24.4	85.9	75-125				
Manganese - Dissolved	1.33	0.00556	"	0.556	0.759	102	75-125				
Nickel - Dissolved	0.591	0.0111	"	0.556	ND	106	75-125				
Potassium - Dissolved	27.7	0.0556	"	1.11	26.4	121	75-125				
Silver - Dissolved	0.0528	0.00556	"	0.0556	ND	95.0	75-125				
Sodium - Dissolved	882	0.556	"	1.11	887	NR	75-125	Low Bias			
Vanadium - Dissolved	0.580	0.0111	"	0.556	ND	104	75-125				
Zinc - Dissolved	0.586	0.0278	"	0.556	ND	105	75-125				

<b>Post Spike (BG31634-PS1)</b>	<b>Post Spike</b>	<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>						<b>Prepared: 07/28/2023 Analyzed: 08/01/2023</b>			
Aluminum - Dissolved	2.01		ug/mL	2.00	0.0308	98.9	75-125				
Barium - Dissolved	2.47		"	2.00	0.366	105	75-125				
Calcium - Dissolved	142		"	1.00	144	NR	75-125	Low Bias			
Chromium - Dissolved	0.204		"	0.200	0.00398	100	75-125				
Cobalt - Dissolved	0.511		"	0.500	0.000126	102	75-125				
Copper - Dissolved	0.294		"	0.250	0.00103	117	75-125				
Iron - Dissolved	13.9		"	1.00	13.0	83.6	75-125				
Lead - Dissolved	0.500		"	0.500	-0.00563	99.9	75-125				
Magnesium - Dissolved	22.6		"	1.00	22.0	55.7	75-125	Low Bias			
Manganese - Dissolved	1.19		"	0.500	0.683	101	75-125				
Nickel - Dissolved	0.546		"	0.500	-0.00709	109	75-125				
Potassium - Dissolved	24.6		"	1.00	23.8	88.8	75-125				
Silver - Dissolved	0.0562		"	0.0500	0.00130	110	75-125				
Sodium - Dissolved	804		"	1.00	798	559	75-125	High Bias			
Vanadium - Dissolved	0.528		"	0.500	0.0000166	106	75-125				
Zinc - Dissolved	0.541		"	0.500	0.0165	105	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31633 - EPA 3015A**

<b>Blank (BG31633-BLK1)</b>		<b>Blank</b>		<b>Prepared &amp; Analyzed: 07/28/2023</b>								
Antimony	ND	1.11	ug/L									
Arsenic	ND	1.11	"									
Beryllium	ND	0.333	"									
Cadmium	ND	0.556	"									
Selenium	2.23	1.11	"									
Thallium	ND	1.11	"									

<b>LCS (BG31633-BS1)</b>		<b>LCS</b>		<b>Prepared &amp; Analyzed: 07/28/2023</b>								
Antimony	55.0		ug/L	50.0	110	80-120						
Arsenic	52.9		"	50.0	106	80-120						
Beryllium	64.5		"	50.0	129	80-120	High Bias					
Cadmium	53.0		"	50.0	106	80-120						
Selenium	55.2		"	50.0	110	80-120						
Thallium	54.4		"	50.0	109	80-120						

<b>Duplicate (BG31633-DUP1)</b>		<b>Duplicate</b>		<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>				<b>Prepared &amp; Analyzed: 07/28/2023</b>				
Antimony	ND	1.11	ug/L		ND						20	
Arsenic	10.6	1.11	"		10.9			2.87			20	
Beryllium	ND	0.333	"		ND						20	
Cadmium	ND	0.556	"		ND						20	
Selenium	2.77	1.11	"		3.91			34.1			20 Non-dir.	
Thallium	ND	1.11	"		ND						20	

<b>Matrix Spike (BG31633-MS1)</b>		<b>Matrix Spike</b>		<b>*Source sample: 23G1300-01 (RIMW07_072123)</b>				<b>Prepared &amp; Analyzed: 07/28/2023</b>				
Antimony	63.3		ug/L	50.0	0.106	126	75-125	High Bias				
Arsenic	64.9		"	50.0	9.84	110	75-125					
Beryllium	44.7		"	50.0	0.154	89.0	75-125					
Cadmium	55.5		"	50.0	0.070	111	75-125					
Selenium	52.5		"	50.0	3.52	97.9	75-125					
Thallium	50.3		"	50.0	0.016	101	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31635 - EPA 3015A</b>												
<b>Blank (BG31635-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 07/28/2023			
Antimony - Dissolved	ND	1.11	ug/L									
Arsenic - Dissolved	ND	1.11	"									
Beryllium - Dissolved	ND	0.333	"									
Cadmium - Dissolved	ND	0.556	"									
Selenium - Dissolved	ND	1.11	"									
Thallium - Dissolved	ND	1.11	"									
<b>LCS (BG31635-BS1)</b>	<b>LCS</b>								Prepared & Analyzed: 07/28/2023			
Antimony - Dissolved	53.7		ug/L	50.0		107	80-120					
Arsenic - Dissolved	52.4		"	50.0		105	80-120					
Beryllium - Dissolved	58.2		"	50.0		116	80-120					
Cadmium - Dissolved	50.5		"	50.0		101	80-120					
Selenium - Dissolved	55.8		"	50.0		112	80-120					
Thallium - Dissolved	52.3		"	50.0		105	80-120					
<b>Duplicate (BG31635-DUP1)</b>	<b>Duplicate</b>								*Source sample: 23G1300-01 (RIMW07_072123) Prepared & Analyzed: 07/28/2023			
Antimony - Dissolved	ND	1.11	ug/L		ND						20	
Arsenic - Dissolved	9.28	1.11	"		9.04				2.65		20	
Beryllium - Dissolved	ND	0.333	"		ND						20	
Cadmium - Dissolved	ND	0.556	"		ND						20	
Selenium - Dissolved	3.20	1.11	"		2.71				16.6		20	
Thallium - Dissolved	ND	1.11	"		ND						20	
<b>Matrix Spike (BG31635-MS1)</b>	<b>Matrix Spike</b>								*Source sample: 23G1300-01 (RIMW07_072123) Prepared & Analyzed: 07/28/2023			
Antimony - Dissolved	62.7		ug/L	50.0	0.069	125	75-125					
Arsenic - Dissolved	63.9		"	50.0	8.14	112	75-125					
Beryllium - Dissolved	47.5		"	50.0	0.008	95.1	75-125					
Cadmium - Dissolved	55.3		"	50.0	0.018	111	75-125					
Selenium - Dissolved	56.0		"	50.0	2.44	107	75-125					
Thallium - Dissolved	49.9		"	50.0	0.004	99.9	75-125					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31746 - EPA SW846-7470A</b>												
<b>Blank (BG31746-BLK1)</b>	Blank										Prepared & Analyzed: 07/31/2023	
Mercury - Dissolved	ND	0.0002	mg/L									
<b>LCS (BG31746-BS1)</b>	LCS										Prepared & Analyzed: 07/31/2023	
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120					
<b>Duplicate (BG31746-DUP1)</b>	Duplicate	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/31/2023
Mercury - Dissolved	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BG31746-MS1)</b>	Matrix Spike	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/31/2023
Mercury - Dissolved	0.0022	0.0002	mg/L	0.00200	ND	112	75-125					
<b>Matrix Spike Dup (BG31746-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/31/2023
Mercury - Dissolved	0.0029	0.0002	mg/L	0.00200	ND	144	75-125	High Bias	25.5	20	Non-dir.	
<b>Batch BG31748 - EPA SW846-7470A</b>												
<b>Blank (BG31748-BLK1)</b>	Blank										Prepared & Analyzed: 07/31/2023	
Mercury	ND	0.0002	mg/L									
<b>LCS (BG31748-BS1)</b>	LCS										Prepared & Analyzed: 07/31/2023	
Mercury	0.0018281	0.0002	mg/L	0.00200		91.4	80-120					
<b>Duplicate (BG31748-DUP1)</b>	Duplicate	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/31/2023
Mercury	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BG31748-MS1)</b>	Matrix Spike	*Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/31/2023
Mercury	0.0021	0.0002	mg/L	0.00200	ND	106	75-125					



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

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31748 - EPA SW846-7470A**

Matrix Spike Dup (BG31748-1)	Matrix Spike Dup	Source sample: 23G1300-01 (RIMW07_072123)	Prepared & Analyzed: 07/31/2023									
Mercury	0.0026	0.0002	mg/L	0.00200	ND	130	75-125	High Bias	20.1	200		



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31245 - Analysis Preparation</b>											
<b>Blank (BG31245-BLK1)</b>	Blank										Prepared & Analyzed: 07/21/2023
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG31245-BS1)</b>	LCS										Prepared & Analyzed: 07/21/2023
Chromium, Hexavalent	0.498	0.0100	mg/L	0.500		99.6	85-115				
<b>Duplicate (BG31245-DUP1)</b>	Duplicate *Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/21/2023
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
<b>Matrix Spike (BG31245-MS1)</b>	Matrix Spike *Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/21/2023
Chromium, Hexavalent	0.468	0.0100	mg/L	0.500	ND	93.6	85-115				
<b>Matrix Spike Dup (BG31245-MS1)</b>	Matrix Spike Dup *Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/21/2023
Chromium, Hexavalent	0.461	0.0100	mg/L	0.500	ND	92.2	85-115		1.51		200
<b>Batch BG31674 - Analysis Preparation</b>											
<b>Blank (BG31674-BLK1)</b>	Blank										Prepared & Analyzed: 07/28/2023
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BG31674-BS1)</b>	LCS										Prepared & Analyzed: 07/28/2023
Cyanide, total	0.186	0.0100	mg/L	0.200		93.0	80-120				
<b>Duplicate (BG31674-DUP1)</b>	Duplicate *Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/28/2023
Cyanide, total	0.0280	0.0100	mg/L		0.0460				48.6	15	Non-dir.
<b>Matrix Spike (BG31674-MS1)</b>	Matrix Spike *Source sample: 23G1300-01 (RIMW07_072123)										Prepared & Analyzed: 07/28/2023
Cyanide, total	0.217	0.0100	mg/L	0.200	0.0460	85.5	79-105				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31674 - Analysis Preparation**

<b>Matrix Spike Dup (BG31674-1</b>	<b>Matrix Spike Dup</b>	Source sample: 23G1300-01 (RIMW07_072123)						Prepared & Analyzed: 07/28/2023			
Cyanide, total	0.196	0.0100	mg/L	0.200	0.0460	75.0	79-105	Low Bias	10.2	200	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1300-01	RIMW07_072123	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1300-02	RIMW05_072123	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1300-03	GWTB01_072123	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. 2361300

Page 1 of 1

<b>Report To:</b>		<b>Invoice To:</b>	
Company: LANGUAN	Company:	YOUR Project Number: 170758101	Turn-Around Time: RUSH - Next Day
Address: 300 W 81st Street NYC, NY, 10001	Address:	YOUR Project Name: 224 3rd Avenue	RUSH - Two Day
Phone: 212-469-5400	Phone:	YOUR PO#:	RUSH - Three Day
Contact: Albert Tashji	Contact:		RUSH - Four Day
E-mail: ATashji@Langan.com	E-mail:		RUSH - Five Day

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Ali Reach

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	
DW - drinking water	Connecticut	<input type="checkbox"/> CMDP	
WW - wastewater	Pennsylvania	<input type="checkbox"/> Standard Excel EDD	
O - Oil	Other:	<input type="checkbox"/> NY ASP B Package	

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
R1MNW07 - 072123	GW	7/21/23 1200	TCL/Part 375 VOCs, SVOCs, -HMS/MSDA		
R1MWW05 - 072123	GW	7/21/23 1445	Part 375 PCBs, Pesticides, and herbicides, PAH, Part 375 metals including cyanide and Hex/Tri-Chromium, PFAS and 1,4-dioxane, Dissolved metals		
GWTB01 - 072123	Aq	1530	Part 375 VOCs		
GWELFB01 - 072123	Aq	1535	PFAS		

**Comments:** Please cc: ~~data~~ and Lmcconnell@Langan.com

1. Samples Relinquished by / Company: Ali Reach/Langan 7/21/23 1540 Date/Time

2. Samples Relinquished by / Company: RAMON YORK 7/21/23 1705 Date/Time

3. Samples Relinquished by / Company: RAMON YORK 7/21/23 2030 Date/Time

4. Samples Relinquished by / Company: Ali Reach/Langan 7/21/23 2030 Date/Time

Preservation: (check all that apply) HCl \_\_\_ MeOH \_\_\_ HNO3 \_\_\_ H2SO4 \_\_\_ NaOH \_\_\_ ZnAc \_\_\_ Ascorbic Acid \_\_\_ Other: \_\_\_

Special Instruction: Field Filtered Lab to Filter

Temperature: 4.1 Degrees C



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/02/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1402

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/02/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1402

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 24, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1402-01	SSV01_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-02	IA01_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-03	SSV02_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-04	IA02_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-05	SSV03_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-06	IA03_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-07	SSV04_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-08	IA04_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-09	SSV05_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-10	IA05_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-11	SSV06_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-12	IA06_072123	Indoor Ambient Air	07/21/2023	07/24/2023
23G1402-13	SSV07_072123	Soil Vapor	07/21/2023	07/24/2023
23G1402-14	IA07_072123	Indoor Ambient Air	07/21/2023	07/24/2023

## **General Notes for York Project (SDG) No.: 23G1402**

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

Approved By 

Cassie L. Mosher  
Laboratory Manager

**Date:** 08/02/2023





### Sample Information

**Client Sample ID:** SSV01\_072123

**York Sample ID:** 23G1402-01

<u>York Project (SDG) No.</u> 23G1402	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> July 21, 2023 5:41 pm	<u>Date Received</u> 07/24/2023
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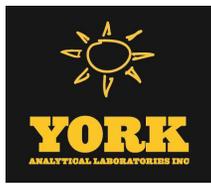
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>8.9</b>		ug/m <sup>3</sup>	1.1	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.5	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.1	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.82	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.20	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.5	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>47</b>		ug/m <sup>3</sup>	0.99	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.6	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.82	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.93	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>12</b>		ug/m <sup>3</sup>	0.99	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.3	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.93	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.5	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
78-93-3	<b>2-Butanone</b>	<b>2.9</b>		ug/m <sup>3</sup>	0.60	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH



### Sample Information

**Client Sample ID:** SSV01\_072123

**York Sample ID:** 23G1402-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:41 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.7	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	3.2	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.83	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
67-64-1	<b>Acetone</b>	<b>12</b>		ug/m <sup>3</sup>	0.96	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.44	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
71-43-2	<b>Benzene</b>	<b>7.4</b>		ug/m <sup>3</sup>	0.65	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.0	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	2.1	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.79	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-15-0	<b>Carbon disulfide</b>	<b>8.1</b>		ug/m <sup>3</sup>	0.63	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.32	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.93	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.53	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
67-66-3	<b>Chloroform</b>	<b>10</b>		ug/m <sup>3</sup>	0.99	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
74-87-3	<b>Chloromethane</b>	<b>0.67</b>	TO-CC V	ug/m <sup>3</sup>	0.42	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.20	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.92	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
110-82-7	<b>Cyclohexane</b>	<b>11</b>		ug/m <sup>3</sup>	0.70	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.7	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.4</b>		ug/m <sup>3</sup>	1.0	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.5	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH



### Sample Information

**Client Sample ID:** SSV01\_072123

**York Sample ID:** 23G1402-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:41 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	25		ug/m <sup>3</sup>	0.88	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	2.2	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
67-63-0	Isopropanol	3.7	B	ug/m <sup>3</sup>	2.5	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.83	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.73	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
91-20-3	* Naphthalene	4.9		ug/m <sup>3</sup>	2.1	2.022	EPA TO-15 Certifications: NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
142-82-5	n-Heptane	24		ug/m <sup>3</sup>	0.83	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
110-54-3	n-Hexane	9.7		ug/m <sup>3</sup>	0.71	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
95-47-6	o-Xylene	48		ug/m <sup>3</sup>	0.88	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
179601-23-1	p- & m- Xylenes	120		ug/m <sup>3</sup>	1.8	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
622-96-8	* p-Ethyltoluene	38		ug/m <sup>3</sup>	0.99	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
115-07-1	* Propylene	1.7		ug/m <sup>3</sup>	0.35	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.86	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
127-18-4	Tetrachloroethylene	160		ug/m <sup>3</sup>	1.4	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.2	2.022	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 14:09	VH
108-88-3	Toluene	75		ug/m <sup>3</sup>	0.76	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.80	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.92	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.27	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m <sup>3</sup>	1.1	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.71	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH



**Sample Information**

**Client Sample ID:** SSV01\_072123

**York Sample ID:** 23G1402-01

York Project (SDG) No.  
23G1402

Client Project ID  
170758101

Matrix  
Soil Vapor

Collection Date/Time  
July 21, 2023 5:41 pm

Date Received  
07/24/2023

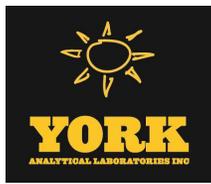
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.88	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.26	2.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 14:09	VH



### Sample Information

**Client Sample ID:** IA01\_072123

**York Sample ID:** 23G1402-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:40 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.70	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.56	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.70	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.78	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.56	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.41	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.10	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.76	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.78	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.41	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.47	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.71	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.68	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.47	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.73	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
78-93-3	<b>2-Butanone</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.30	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH



### Sample Information

**Client Sample ID:** IA01\_072123

**York Sample ID:** 23G1402-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:40 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	2.2	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.83	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.6	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
108-10-1	4-Methyl-2-pentanone	2.6	TO-CC V	ug/m <sup>3</sup>	0.42	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
67-64-1	Acetone	25		ug/m <sup>3</sup>	0.48	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.22	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
71-43-2	Benzene	1.0		ug/m <sup>3</sup>	0.33	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.53	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.68	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.1	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.40	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.32	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
56-23-5	Carbon tetrachloride	0.26		ug/m <sup>3</sup>	0.16	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.47	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.27	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
74-87-3	Chloromethane	2.5		ug/m <sup>3</sup>	0.21	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.10	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.46	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
110-82-7	Cyclohexane	1.0		ug/m <sup>3</sup>	0.35	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.87	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-71-8	Dichlorodifluoromethane	2.1		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH





### Sample Information

**Client Sample ID:** IA01\_072123

**York Sample ID:** 23G1402-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:40 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	4.4		ug/m <sup>3</sup>	0.73	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
100-41-4	Ethyl Benzene	1.1		ug/m <sup>3</sup>	0.44	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.1	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
67-63-0	Isopropanol	3.5		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.42	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.37	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-09-2	Methylene chloride	0.71		ug/m <sup>3</sup>	0.71	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
91-20-3	* Naphthalene	4.0		ug/m <sup>3</sup>	1.1	1.019	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
142-82-5	n-Heptane	2.4		ug/m <sup>3</sup>	0.42	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
110-54-3	n-Hexane	3.2		ug/m <sup>3</sup>	0.36	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
95-47-6	o-Xylene	1.4		ug/m <sup>3</sup>	0.44	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
179601-23-1	p- & m- Xylenes	3.6		ug/m <sup>3</sup>	0.88	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
622-96-8	* p-Ethyltoluene	0.90		ug/m <sup>3</sup>	0.50	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.18	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.43	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
127-18-4	Tetrachloroethylene	1.7		ug/m <sup>3</sup>	0.69	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.60	1.019	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 21:59	VH
108-88-3	Toluene	7.3		ug/m <sup>3</sup>	0.38	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.40	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.46	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
79-01-6	Trichloroethylene	1.1		ug/m <sup>3</sup>	0.14	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-69-4	Trichlorofluoromethane (Freon 11)	0.97		ug/m <sup>3</sup>	0.57	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH



**Sample Information**

**Client Sample ID:** IA01\_072123

**York Sample ID:** 23G1402-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:40 pm

07/24/2023

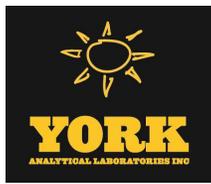
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.36	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.45	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.13	1.019	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 21:59	VH



### Sample Information

**Client Sample ID:** SSV02\_072123

**York Sample ID:** 23G1402-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:42 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>22</b>		ug/m <sup>3</sup>	0.94	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.94	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.70	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.17	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>47</b>		ug/m <sup>3</sup>	0.85	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.70	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.80	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>14</b>		ug/m <sup>3</sup>	0.85	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.1	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.80	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
78-93-3	<b>2-Butanone</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.51	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.4	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH



### Sample Information

**Client Sample ID:** SSV02\_072123

**York Sample ID:** 23G1402-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:42 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.7	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.71	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
67-64-1	<b>Acetone</b>	<b>7.6</b>		ug/m <sup>3</sup>	0.82	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.38	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
71-43-2	<b>Benzene</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.55	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.89	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.67	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-15-0	<b>Carbon disulfide</b>	<b>4.3</b>		ug/m <sup>3</sup>	0.54	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>0.33</b>		ug/m <sup>3</sup>	0.27	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.80	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.46	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
67-66-3	<b>Chloroform</b>	<b>6.1</b>		ug/m <sup>3</sup>	0.84	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
74-87-3	<b>Chloromethane</b>	<b>1.3</b>	TO-CC V	ug/m <sup>3</sup>	0.36	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.17	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
110-82-7	<b>Cyclohexane</b>	<b>3.2</b>		ug/m <sup>3</sup>	0.59	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.5	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.7</b>		ug/m <sup>3</sup>	0.85	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
100-41-4	<b>Ethyl Benzene</b>	<b>25</b>		ug/m <sup>3</sup>	0.75	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH



### Sample Information

**Client Sample ID:** SSV02\_072123

**York Sample ID:** 23G1402-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:42 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.8	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
67-63-0	<b>Isopropanol</b>	<b>2.3</b>	B	ug/m <sup>3</sup>	2.1	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.71	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.62	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.2	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
91-20-3	* <b>Naphthalene</b>	<b>4.9</b>		ug/m <sup>3</sup>	1.8	1.728	EPA TO-15 Certifications: NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
142-82-5	<b>n-Heptane</b>	<b>11</b>		ug/m <sup>3</sup>	0.71	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
110-54-3	<b>n-Hexane</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.61	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
95-47-6	<b>o-Xylene</b>	<b>54</b>		ug/m <sup>3</sup>	0.75	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>120</b>		ug/m <sup>3</sup>	1.5	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
622-96-8	* <b>p-Ethyltoluene</b>	<b>41</b>		ug/m <sup>3</sup>	0.85	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH
115-07-1	* <b>Propylene</b>	<b>1.9</b>		ug/m <sup>3</sup>	0.30	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.74	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>290</b>		ug/m <sup>3</sup>	12	17.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 09:00	07/25/2023 22:49	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.0	1.728	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:02	VH
108-88-3	<b>Toluene</b>	<b>66</b>		ug/m <sup>3</sup>	0.65	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.69	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.23	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.97	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.61	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.76	1.728	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:02	VH



**Sample Information**

**Client Sample ID:** SSV02\_072123

**York Sample ID:** 23G1402-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:42 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.22	1.728	EPA TO-15	07/26/2023 09:00	07/26/2023 15:02	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		



### Sample Information

**Client Sample ID:** IA02\_072123

**York Sample ID:** 23G1402-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:17 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.57	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.45	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.57	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.63	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.45	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.33	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.082	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.61	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.41	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.63	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.33	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.38	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.58	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.41	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.55	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.38	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.59	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
78-93-3	<b>2-Butanone</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.24	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH



### Sample Information

**Client Sample ID:** IA02\_072123

**York Sample ID:** 23G1402-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:17 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	1.1	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.68	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.3	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
108-10-1	4-Methyl-2-pentanone	2.0	TO-CC V	ug/m <sup>3</sup>	0.34	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
67-64-1	Acetone	24		ug/m <sup>3</sup>	0.39	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.18	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
71-43-2	Benzene	1.1		ug/m <sup>3</sup>	0.26	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.43	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.55	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.85	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.32	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.26	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
56-23-5	Carbon tetrachloride	0.26		ug/m <sup>3</sup>	0.13	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.38	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.22	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.40	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
74-87-3	Chloromethane	2.5		ug/m <sup>3</sup>	0.17	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.082	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.37	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
110-82-7	Cyclohexane	0.94		ug/m <sup>3</sup>	0.28	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.70	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-71-8	Dichlorodifluoromethane	2.0		ug/m <sup>3</sup>	0.41	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH



### Sample Information

**Client Sample ID:** IA02\_072123

**York Sample ID:** 23G1402-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:17 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	8.0		ug/m <sup>3</sup>	0.59	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
100-41-4	Ethyl Benzene	1.2		ug/m <sup>3</sup>	0.36	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.88	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
67-63-0	Isopropanol	2.8		ug/m <sup>3</sup>	0.41	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.34	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.30	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-09-2	Methylene chloride	0.57		ug/m <sup>3</sup>	0.57	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
91-20-3	* Naphthalene	5.1		ug/m <sup>3</sup>	0.86	0.825	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
142-82-5	n-Heptane	1.8		ug/m <sup>3</sup>	0.34	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
110-54-3	n-Hexane	3.0		ug/m <sup>3</sup>	0.29	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
95-47-6	o-Xylene	1.6		ug/m <sup>3</sup>	0.36	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
179601-23-1	p- & m- Xylenes	4.2		ug/m <sup>3</sup>	0.72	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
622-96-8	* p-Ethyltoluene	0.97		ug/m <sup>3</sup>	0.41	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.14	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.35	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
127-18-4	Tetrachloroethylene	1.5		ug/m <sup>3</sup>	0.56	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.49	0.825	EPA TO-15 Certifications:	07/25/2023 10:00	07/25/2023 23:48	VH
108-88-3	Toluene	7.1		ug/m <sup>3</sup>	0.31	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.33	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.37	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.11	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-69-4	Trichlorofluoromethane (Freon 11)	0.93		ug/m <sup>3</sup>	0.46	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH



**Sample Information**

**Client Sample ID:** IA02\_072123

**York Sample ID:** 23G1402-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:17 pm

07/24/2023

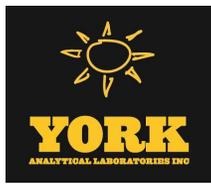
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.29	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.36	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.11	0.825	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/25/2023 23:48	VH



### Sample Information

**Client Sample ID:** SSV03\_072123

**York Sample ID:** 23G1402-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 6:35 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.0	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>2.2</b>		ug/m <sup>3</sup>	1.6	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	2.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.6	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.28	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	2.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>60</b>		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	2.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.7	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	1.3	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>29</b>		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.9	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.7	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	1.3	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.7	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	2.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
78-93-3	<b>2-Butanone</b>	<b>2.4</b>		ug/m <sup>3</sup>	0.84	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	2.3	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH



### Sample Information

**Client Sample ID:** SSV03\_072123

**York Sample ID:** 23G1402-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 6:35 pm

07/24/2023

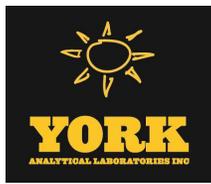
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	4.5	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
67-64-1	<b>Acetone</b>	<b>9.2</b>		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.62	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
71-43-2	<b>Benzene</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.91	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.5	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.9	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	3.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-15-0	<b>Carbon disulfide</b>	<b>6.9</b>		ug/m <sup>3</sup>	0.89	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>5.4</b>		ug/m <sup>3</sup>	0.45	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	1.3	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.75	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
67-66-3	<b>Chloroform</b>	<b>10</b>		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
74-87-3	<b>Chloromethane</b>	<b>1.0</b>	TO-CC V	ug/m <sup>3</sup>	0.59	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.28	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.3	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
110-82-7	<b>Cyclohexane</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.98	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	2.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.8</b>		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	2.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
100-41-4	<b>Ethyl Benzene</b>	<b>21</b>		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH



### Sample Information

**Client Sample ID:** SSV03\_072123

**York Sample ID:** 23G1402-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 6:35 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	3.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	3.5	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	2.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
91-20-3	* Naphthalene	4.2		ug/m <sup>3</sup>	3.0	2.854	EPA TO-15 Certifications: NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
142-82-5	n-Heptane	5.7		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
110-54-3	n-Hexane	2.6		ug/m <sup>3</sup>	1.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
95-47-6	o-Xylene	61		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
179601-23-1	p- & m- Xylenes	130		ug/m <sup>3</sup>	2.5	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
622-96-8	* p-Ethyltoluene	77		ug/m <sup>3</sup>	1.4	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH
115-07-1	* Propylene	2.9		ug/m <sup>3</sup>	0.49	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
127-18-4	Tetrachloroethylene	37		ug/m <sup>3</sup>	1.9	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.7	2.854	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 15:56	VH
108-88-3	Toluene	25		ug/m <sup>3</sup>	1.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.1	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.3	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.38	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
75-69-4	Trichlorofluoromethane (Freon 11)	2.2		ug/m <sup>3</sup>	1.6	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.0	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	1.2	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH



Sample Information

Client Sample ID: SSV03\_072123

York Sample ID: 23G1402-05

York Project (SDG) No. 23G1402

Client Project ID 170758101

Matrix Soil Vapor

Collection Date/Time July 21, 2023 6:35 pm

Date Received 07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.36	2.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 15:56	VH



### Sample Information

**Client Sample ID:** IA03\_072123

**York Sample ID:** 23G1402-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:45 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.64	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.51	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.64	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.71	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.51	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.092	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.69	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.91</b>		ug/m <sup>3</sup>	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.71	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.43	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.65	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.62	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.43	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.67	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
78-93-3	<b>2-Butanone</b>	<b>2.9</b>		ug/m <sup>3</sup>	0.27	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH



### Sample Information

**Client Sample ID:** IA03\_072123

**York Sample ID:** 23G1402-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:45 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	0.84	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.76	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.5	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
108-10-1	4-Methyl-2-pentanone	1.3	TO-CC V	ug/m <sup>3</sup>	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
67-64-1	Acetone	23		ug/m <sup>3</sup>	0.44	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.20	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
71-43-2	Benzene	0.80		ug/m <sup>3</sup>	0.30	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.48	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.62	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.96	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.36	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.29	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
56-23-5	Carbon tetrachloride	0.29		ug/m <sup>3</sup>	0.15	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.43	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.25	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.45	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
74-87-3	Chloromethane	3.1		ug/m <sup>3</sup>	0.19	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.092	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.42	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
110-82-7	Cyclohexane	0.45		ug/m <sup>3</sup>	0.32	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.79	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-71-8	Dichlorodifluoromethane	2.1		ug/m <sup>3</sup>	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH



### Sample Information

**Client Sample ID:** IA03\_072123

**York Sample ID:** 23G1402-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:45 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	13		ug/m <sup>3</sup>	0.67	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
100-41-4	Ethyl Benzene	0.89		ug/m <sup>3</sup>	0.40	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.99	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
67-63-0	Isopropanol	3.4		ug/m <sup>3</sup>	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.33	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.65	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
91-20-3	* Naphthalene	4.4		ug/m <sup>3</sup>	0.97	0.929	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
142-82-5	n-Heptane	1.1		ug/m <sup>3</sup>	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
110-54-3	n-Hexane	1.5		ug/m <sup>3</sup>	0.33	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
95-47-6	o-Xylene	1.1		ug/m <sup>3</sup>	0.40	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
179601-23-1	p- & m- Xylenes	2.9		ug/m <sup>3</sup>	0.81	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
622-96-8	* p-Ethyltoluene	0.78		ug/m <sup>3</sup>	0.46	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.16	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.40	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
127-18-4	Tetrachloroethylene	1.1		ug/m <sup>3</sup>	0.63	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.55	0.929	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 01:34	VH
108-88-3	Toluene	5.5		ug/m <sup>3</sup>	0.35	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.37	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.42	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
79-01-6	Trichloroethylene	0.55		ug/m <sup>3</sup>	0.12	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-69-4	Trichlorofluoromethane (Freon 11)	0.99		ug/m <sup>3</sup>	0.52	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH



**Sample Information**

**Client Sample ID:** IA03\_072123

**York Sample ID:** 23G1402-06

York Project (SDG) No.  
23G1402

Client Project ID  
170758101

Matrix  
Indoor Ambient Air

Collection Date/Time  
July 21, 2023 5:45 pm

Date Received  
07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.33	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.41	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.12	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 01:34	VH



### Sample Information

**Client Sample ID:** SSV04\_072123

**York Sample ID:** 23G1402-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:26 pm

07/24/2023

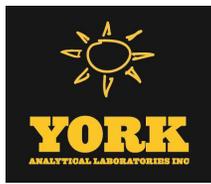
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	5.8	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>13</b>		ug/m <sup>3</sup>	4.6	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	5.8	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	6.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	4.6	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	3.4	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-35-4	<b>1,1-Dichloroethylene</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.84	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	6.3	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>29</b>		ug/m <sup>3</sup>	4.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	6.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	5.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	3.4	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	3.9	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	5.9	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>9.5</b>		ug/m <sup>3</sup>	4.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	5.6	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	5.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	3.9	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	5.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	6.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
78-93-3	<b>2-Butanone</b>	<b>4.5</b>		ug/m <sup>3</sup>	2.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	6.9	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH



### Sample Information

**Client Sample ID:** SSV04\_072123

**York Sample ID:** 23G1402-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:26 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	13	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>9.3</b>		ug/m <sup>3</sup>	3.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
67-64-1	<b>Acetone</b>	<b>17</b>		ug/m <sup>3</sup>	4.0	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	1.8	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
71-43-2	<b>Benzene</b>	<b>4.0</b>		ug/m <sup>3</sup>	2.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	4.4	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	5.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	8.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	3.3	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-15-0	<b>Carbon disulfide</b>	<b>7.6</b>		ug/m <sup>3</sup>	2.6	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>1.6</b>		ug/m <sup>3</sup>	1.3	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	3.9	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	2.2	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
67-66-3	<b>Chloroform</b>	<b>7.0</b>		ug/m <sup>3</sup>	4.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
74-87-3	<b>Chloromethane</b>	<b>2.8</b>	TO-CC V	ug/m <sup>3</sup>	1.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>10</b>		ug/m <sup>3</sup>	0.84	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	3.8	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	2.9	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	7.2	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>4.2</b>		ug/m <sup>3</sup>	4.2	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	6.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
100-41-4	<b>Ethyl Benzene</b>	<b>19</b>		ug/m <sup>3</sup>	3.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH



### Sample Information

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170758101

Soil Vapor

July 21, 2023 5:26 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	9.0	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
67-63-0	<b>Isopropanol</b>	<b>17</b>	B	ug/m <sup>3</sup>	10	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	3.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	3.0	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	5.9	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	8.8	8.435	EPA TO-15 Certifications: NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
142-82-5	<b>n-Heptane</b>	<b>7.6</b>		ug/m <sup>3</sup>	3.5	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
110-54-3	<b>n-Hexane</b>	<b>3.6</b>		ug/m <sup>3</sup>	3.0	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
95-47-6	<b>o-Xylene</b>	<b>31</b>		ug/m <sup>3</sup>	3.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>78</b>		ug/m <sup>3</sup>	7.3	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
622-96-8	* <b>p-Ethyltoluene</b>	<b>27</b>		ug/m <sup>3</sup>	4.1	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH
115-07-1	* <b>Propylene</b>	<b>5.4</b>		ug/m <sup>3</sup>	1.5	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	3.6	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>2700</b>		ug/m <sup>3</sup>	5.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	5.0	8.435	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 16:59	VH
108-88-3	<b>Toluene</b>	<b>65</b>		ug/m <sup>3</sup>	3.2	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	3.3	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	3.8	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
79-01-6	<b>Trichloroethylene</b>	<b>35</b>		ug/m <sup>3</sup>	1.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	4.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	3.0	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	3.7	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH



**Sample Information**

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170758101

Soil Vapor

July 21, 2023 5:26 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	1.3	TO-CC V	ug/m <sup>3</sup>	1.1	8.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 16:59	VH





### Sample Information

**Client Sample ID:** IA04\_072123

**York Sample ID:** 23G1402-08

York Project (SDG) No.

Client Project ID

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23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:27 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.69	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.55	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.69	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.77	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.55	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.41	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.10	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.75	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.99</b>		ug/m <sup>3</sup>	0.50	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.77	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.41	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.47	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.70	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.50	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.67	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.47	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.61	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.73	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
78-93-3	<b>2-Butanone</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.30	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.83	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH



### Sample Information

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170758101

Indoor Ambient Air

July 21, 2023 5:27 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.6	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>2.9</b>	TO-CC V	ug/m <sup>3</sup>	0.41	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
67-64-1	<b>Acetone</b>	<b>14</b>		ug/m <sup>3</sup>	0.48	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.22	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
71-43-2	<b>Benzene</b>	<b>0.74</b>		ug/m <sup>3</sup>	0.32	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.52	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.67	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.0	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.39	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.31	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>0.25</b>		ug/m <sup>3</sup>	0.16	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.46	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.27	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.49	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
74-87-3	<b>Chloromethane</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.21	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.10	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.46	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.35	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.86	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.50	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
141-78-6	* Ethyl acetate	<b>1.2</b>		ug/m <sup>3</sup>	0.73	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
100-41-4	<b>Ethyl Benzene</b>	<b>0.79</b>		ug/m <sup>3</sup>	0.44	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH



### Sample Information

**Client Sample ID:** IA04\_072123

**York Sample ID:** 23G1402-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:27 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.1	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
67-63-0	<b>Isopropanol</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.50	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.41	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.36	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-09-2	<b>Methylene chloride</b>	<b>0.73</b>		ug/m <sup>3</sup>	0.70	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	1.1	1.007	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.41	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
110-54-3	<b>n-Hexane</b>	<b>0.82</b>		ug/m <sup>3</sup>	0.35	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
95-47-6	<b>o-Xylene</b>	<b>0.92</b>		ug/m <sup>3</sup>	0.44	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.87	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
622-96-8	* <b>p-Ethyltoluene</b>	<b>0.59</b>		ug/m <sup>3</sup>	0.50	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.17	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.43	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>23</b>		ug/m <sup>3</sup>	0.68	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.59	1.007	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 03:21	VH
108-88-3	<b>Toluene</b>	<b>4.4</b>		ug/m <sup>3</sup>	0.38	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.40	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.46	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
79-01-6	<b>Trichloroethylene</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.14	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.96</b>		ug/m <sup>3</sup>	0.57	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.35	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.44	1.007	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 03:21	VH



**Sample Information**

**Client Sample ID:** IA04\_072123

**York Sample ID:** 23G1402-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:27 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

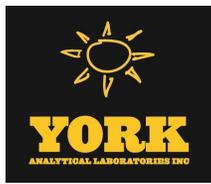
**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.13	1.007	EPA TO-15	07/25/2023 10:00	07/26/2023 03:21	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		





### Sample Information

**Client Sample ID:** SSV05\_072123

**York Sample ID:** 23G1402-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:34 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>9.0</b>		ug/m <sup>3</sup>	9.0	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	13	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	9.0	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	6.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	12	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>29</b>		ug/m <sup>3</sup>	8.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	13	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.9	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	6.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	7.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>8.1</b>		ug/m <sup>3</sup>	8.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.9	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	7.6	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.9	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	12	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
78-93-3	2-Butanone	ND		ug/m <sup>3</sup>	4.8	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	13	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH



### Sample Information

**Client Sample ID:** SSV05\_072123

**York Sample ID:** 23G1402-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:34 pm

07/24/2023

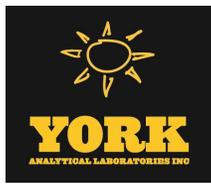
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	26	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	6.7	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
67-64-1	<b>Acetone</b>	<b>16</b>		ug/m <sup>3</sup>	7.8	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	3.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
71-43-2	Benzene	ND		ug/m <sup>3</sup>	5.2	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	8.5	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	17	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	6.4	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-15-0	<b>Carbon disulfide</b>	<b>9.2</b>		ug/m <sup>3</sup>	5.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	2.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	7.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	4.3	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
67-66-3	<b>Chloroform</b>	<b>27</b>		ug/m <sup>3</sup>	8.0	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	3.4	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.6	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	7.5	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	5.7	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	14	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	8.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	12	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
100-41-4	<b>Ethyl Benzene</b>	<b>16</b>		ug/m <sup>3</sup>	7.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH



### Sample Information

**Client Sample ID:** SSV05\_072123

**York Sample ID:** 23G1402-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:34 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	18	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	8.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	6.7	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	5.9	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	11	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	17	16.43	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	6.7	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	5.8	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
95-47-6	<b>o-Xylene</b>	<b>26</b>		ug/m <sup>3</sup>	7.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>66</b>		ug/m <sup>3</sup>	14	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
622-96-8	* <b>p-Ethyltoluene</b>	<b>22</b>		ug/m <sup>3</sup>	8.1	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	2.8	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	7.0	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>13000</b>		ug/m <sup>3</sup>	110	164.3	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 20:20	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	9.7	16.43	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 04:08	VH
108-88-3	<b>Toluene</b>	<b>35</b>		ug/m <sup>3</sup>	6.2	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	6.5	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	7.5	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
79-01-6	<b>Trichloroethylene</b>	<b>61</b>		ug/m <sup>3</sup>	2.2	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	9.2	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	5.8	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	7.2	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH



Sample Information

Client Sample ID: SSV05\_072123

York Sample ID: 23G1402-09

York Project (SDG) No. 23G1402

Client Project ID 170758101

Matrix Soil Vapor

Collection Date/Time July 21, 2023 5:34 pm

Date Received 07/24/2023

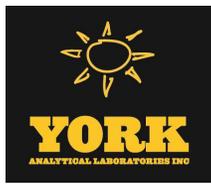
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	2.1	16.43	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 04:08	VH



### Sample Information

**Client Sample ID:** IA05\_072123

**York Sample ID:** 23G1402-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:20 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.59	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.47	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.59	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.65	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.47	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.35	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.085	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.63	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.66	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.35	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.39	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.60	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.50</b>		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.57	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.39	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.61	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
78-93-3	<b>2-Butanone</b>	<b>2.4</b>		ug/m <sup>3</sup>	0.25	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH



### Sample Information

**Client Sample ID:** IA05\_072123

**York Sample ID:** 23G1402-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:20 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	0.87	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.70	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.3	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
108-10-1	4-Methyl-2-pentanone	2.2	TO-CC V	ug/m <sup>3</sup>	0.35	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
67-64-1	Acetone	21		ug/m <sup>3</sup>	0.41	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.19	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
71-43-2	Benzene	1.5		ug/m <sup>3</sup>	0.27	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.44	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.57	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.88	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.33	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.27	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
56-23-5	Carbon tetrachloride	0.32		ug/m <sup>3</sup>	0.13	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.39	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.23	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
74-87-3	Chloromethane	2.9		ug/m <sup>3</sup>	0.18	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.085	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.39	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
110-82-7	Cyclohexane	1.5		ug/m <sup>3</sup>	0.29	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.73	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-71-8	Dichlorodifluoromethane	2.1		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH



### Sample Information

**Client Sample ID:** IA05\_072123

**York Sample ID:** 23G1402-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:20 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	2.7		ug/m <sup>3</sup>	0.61	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
100-41-4	Ethyl Benzene	2.3		ug/m <sup>3</sup>	0.37	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.91	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
67-63-0	Isopropanol	2.2		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.35	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.31	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.59	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
91-20-3	* Naphthalene	4.0		ug/m <sup>3</sup>	0.89	0.853	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
142-82-5	n-Heptane	2.5		ug/m <sup>3</sup>	0.35	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
110-54-3	n-Hexane	5.4		ug/m <sup>3</sup>	0.30	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
95-47-6	o-Xylene	2.9		ug/m <sup>3</sup>	0.37	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
179601-23-1	p- & m- Xylenes	8.1		ug/m <sup>3</sup>	0.74	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
622-96-8	* p-Ethyltoluene	1.6		ug/m <sup>3</sup>	0.42	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.15	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.36	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
127-18-4	Tetrachloroethylene	3.0		ug/m <sup>3</sup>	0.58	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.50	0.853	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 06:06	VH
108-88-3	Toluene	12		ug/m <sup>3</sup>	0.32	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.34	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.39	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
79-01-6	Trichloroethylene	1.1		ug/m <sup>3</sup>	0.11	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m <sup>3</sup>	0.48	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH



**Sample Information**

**Client Sample ID:** IA05\_072123

**York Sample ID:** 23G1402-10

York Project (SDG) No.  
23G1402

Client Project ID  
170758101

Matrix  
Indoor Ambient Air

Collection Date/Time  
July 21, 2023 5:20 pm

Date Received  
07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.30	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.37	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.11	0.853	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 06:06	VH



### Sample Information

**Client Sample ID:** SSV06\_072123

**York Sample ID:** 23G1402-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:36 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>7.6</b>		ug/m <sup>3</sup>	1.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.5	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.80	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.20	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.5	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>46</b>		ug/m <sup>3</sup>	0.98	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.5	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.80	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.92	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>12</b>		ug/m <sup>3</sup>	0.98	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.3	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.92	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.2	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
78-93-3	<b>2-Butanone</b>	<b>4.4</b>		ug/m <sup>3</sup>	0.59	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.6	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH



### Sample Information

**Client Sample ID:** SSV06\_072123

**York Sample ID:** 23G1402-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:36 pm

07/24/2023

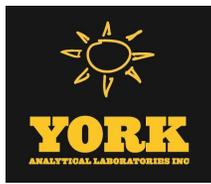
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	3.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.81	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
67-64-1	<b>Acetone</b>	<b>32</b>		ug/m <sup>3</sup>	0.94	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
107-13-1	<b>Acrylonitrile</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.43	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
71-43-2	<b>Benzene</b>	<b>8.2</b>		ug/m <sup>3</sup>	0.63	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.0	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.3	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	2.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.77	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-15-0	<b>Carbon disulfide</b>	<b>20</b>		ug/m <sup>3</sup>	0.62	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>0.87</b>		ug/m <sup>3</sup>	0.31	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.91	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-00-3	<b>Chloroethane</b>	<b>0.73</b>		ug/m <sup>3</sup>	0.52	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
67-66-3	<b>Chloroform</b>	<b>22</b>		ug/m <sup>3</sup>	0.97	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
74-87-3	<b>Chloromethane</b>	<b>1.3</b>	TO-CC V	ug/m <sup>3</sup>	0.41	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.20	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.90	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
110-82-7	<b>Cyclohexane</b>	<b>8.3</b>		ug/m <sup>3</sup>	0.68	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.7	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.7</b>		ug/m <sup>3</sup>	0.98	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
100-41-4	<b>Ethyl Benzene</b>	<b>27</b>		ug/m <sup>3</sup>	0.86	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH



### Sample Information

**Client Sample ID:** SSV06\_072123

**York Sample ID:** 23G1402-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:36 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	2.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
67-63-0	<b>Isopropanol</b>	<b>4.1</b>	B	ug/m <sup>3</sup>	2.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.81	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.72	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.4	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
91-20-3	* <b>Naphthalene</b>	<b>3.1</b>		ug/m <sup>3</sup>	2.1	1.985	EPA TO-15 Certifications: NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
142-82-5	<b>n-Heptane</b>	<b>14</b>		ug/m <sup>3</sup>	0.81	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
110-54-3	<b>n-Hexane</b>	<b>9.4</b>		ug/m <sup>3</sup>	0.70	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
95-47-6	<b>o-Xylene</b>	<b>49</b>		ug/m <sup>3</sup>	0.86	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>130</b>		ug/m <sup>3</sup>	1.7	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
622-96-8	* <b>p-Ethyltoluene</b>	<b>37</b>		ug/m <sup>3</sup>	0.98	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH
115-07-1	* <b>Propylene</b>	<b>10</b>		ug/m <sup>3</sup>	0.34	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.85	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>44</b>		ug/m <sup>3</sup>	1.3	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.2	1.985	EPA TO-15 Certifications:	07/26/2023 09:00	07/26/2023 17:52	VH
108-88-3	<b>Toluene</b>	<b>74</b>		ug/m <sup>3</sup>	0.75	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.79	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.90	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
79-01-6	<b>Trichloroethylene</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.27	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>2.5</b>		ug/m <sup>3</sup>	1.1	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.70	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.87	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH



**Sample Information**

**Client Sample ID:** SSV06\_072123

**York Sample ID:** 23G1402-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:36 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.25	1.985	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/26/2023 09:00	07/26/2023 17:52	VH





### Sample Information

**Client Sample ID:** IA06\_072123

**York Sample ID:** 23G1402-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 6:33 pm

07/24/2023

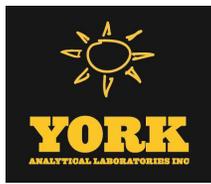
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.68	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.54	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.68	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.76	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.54	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.40	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.098	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.73	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.48	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.76	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.59	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.40	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.46	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.69	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.48	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.65	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.59	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.46	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.59	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.71	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
78-93-3	<b>2-Butanone</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.29	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.81	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH



### Sample Information

**Client Sample ID:** IA06\_072123

**York Sample ID:** 23G1402-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 6:33 pm

07/24/2023

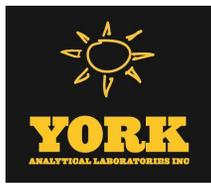
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.5	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>2.0</b>	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.40	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
67-64-1	<b>Acetone</b>	<b>22</b>		ug/m <sup>3</sup>	0.47	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.21	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
71-43-2	<b>Benzene</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.31	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.51	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.66	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.0	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.38	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.31	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
56-23-5	<b>Carbon tetrachloride</b>	<b>0.25</b>		ug/m <sup>3</sup>	0.16	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.45	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.26	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.48	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
74-87-3	<b>Chloromethane</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.20	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.098	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.45	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
110-82-7	<b>Cyclohexane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.34	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.84	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.3</b>		ug/m <sup>3</sup>	0.49	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
141-78-6	* Ethyl acetate	<b>7.5</b>		ug/m <sup>3</sup>	0.71	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH



### Sample Information

**Client Sample ID:** IA06\_072123

**York Sample ID:** 23G1402-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 6:33 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1.3		ug/m <sup>3</sup>	0.43	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.1	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
67-63-0	Isopropanol	2.7		ug/m <sup>3</sup>	0.48	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.40	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.36	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.68	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
91-20-3	* Naphthalene	4.4		ug/m <sup>3</sup>	1.0	0.986	EPA TO-15 Certifications: NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
142-82-5	n-Heptane	2.4		ug/m <sup>3</sup>	0.40	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
110-54-3	n-Hexane	4.4		ug/m <sup>3</sup>	0.35	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
95-47-6	o-Xylene	1.6		ug/m <sup>3</sup>	0.43	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
179601-23-1	p- & m- Xylenes	4.6		ug/m <sup>3</sup>	0.86	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
622-96-8	* p-Ethyltoluene	1.1		ug/m <sup>3</sup>	0.48	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH
115-07-1	* Propylene	14		ug/m <sup>3</sup>	0.17	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.42	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
127-18-4	Tetrachloroethylene	2.7		ug/m <sup>3</sup>	0.67	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.58	0.986	EPA TO-15 Certifications:	07/27/2023 09:00	07/28/2023 16:14	VH
108-88-3	Toluene	8.7		ug/m <sup>3</sup>	0.37	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.39	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.45	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
79-01-6	Trichloroethylene	0.53		ug/m <sup>3</sup>	0.13	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m <sup>3</sup>	0.55	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.35	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH



**Sample Information**

**Client Sample ID:** IA06\_072123

**York Sample ID:** 23G1402-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 6:33 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.43	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.13	0.986	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/28/2023 16:14	VH



### Sample Information

**Client Sample ID:** SSV07\_072123

**York Sample ID:** 23G1402-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:30 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	9.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	14	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	9.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	7.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	13	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>31</b>		ug/m <sup>3</sup>	8.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	14	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	11	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	7.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	8.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	13	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>8.8</b>		ug/m <sup>3</sup>	8.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	11	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	8.3	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	11	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	13	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
78-93-3	2-Butanone	ND		ug/m <sup>3</sup>	5.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	15	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH



### Sample Information

**Client Sample ID:** SSV07\_072123

**York Sample ID:** 23G1402-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:30 pm

07/24/2023

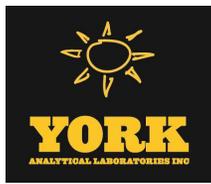
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	28	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	7.4	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
67-64-1	<b>Acetone</b>	<b>9.0</b>		ug/m <sup>3</sup>	8.5	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	3.9	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
71-43-2	Benzene	ND		ug/m <sup>3</sup>	5.7	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	9.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	19	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	7.0	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	5.6	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	2.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	8.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	4.7	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	8.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	3.7	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	8.2	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	6.2	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	15	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	8.9	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	13	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
100-41-4	<b>Ethyl Benzene</b>	<b>12</b>		ug/m <sup>3</sup>	7.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH



### Sample Information

**Client Sample ID:** SSV07\_072123

**York Sample ID:** 23G1402-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Soil Vapor

July 21, 2023 5:30 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	19	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	8.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	7.4	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	6.5	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	19	17.99	EPA TO-15 Certifications: NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	7.4	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	6.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
95-47-6	<b>o-Xylene</b>	<b>23</b>		ug/m <sup>3</sup>	7.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>55</b>		ug/m <sup>3</sup>	16	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
622-96-8	<b>* p-Ethyltoluene</b>	<b>20</b>		ug/m <sup>3</sup>	8.8	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	3.1	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	7.7	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
127-18-4	<b>Tetrachloroethylene</b>	<b>3900</b>		ug/m <sup>3</sup>	12	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	11	17.99	EPA TO-15 Certifications:	07/25/2023 10:00	07/26/2023 07:41	VH
108-88-3	<b>Toluene</b>	<b>23</b>		ug/m <sup>3</sup>	6.8	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	7.1	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	8.2	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	2.4	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	10	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	6.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	7.9	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH



**Sample Information**

**Client Sample ID:** SSV07\_072123

**York Sample ID:** 23G1402-13

York Project (SDG) No.  
23G1402

Client Project ID  
170758101

Matrix  
Soil Vapor

Collection Date/Time  
July 21, 2023 5:30 pm

Date Received  
07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	2.3	17.99	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 10:00	07/26/2023 07:41	VH



### Sample Information

**Client Sample ID:** IA07\_072123

**York Sample ID:** 23G1402-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:19 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.59	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.47	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.59	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.65	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.47	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.35	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.085	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
120-82-1	<b>1,2,4-Trichlorobenzene</b>	<b>0.76</b>	B	ug/m <sup>3</sup>	0.63	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.42	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.66	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.35	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.39	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.60	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.42	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.57	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.39	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.51	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.62	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
78-93-3	<b>2-Butanone</b>	<b>3.1</b>		ug/m <sup>3</sup>	0.25	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.70	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH



### Sample Information

**Client Sample ID:** IA07\_072123

**York Sample ID:** 23G1402-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:19 pm

07/24/2023

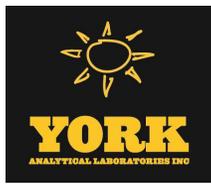
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.3	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
108-10-1	4-Methyl-2-pentanone	2.5	TO-CC V, TO-LC S-H	ug/m <sup>3</sup>	0.35	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
67-64-1	Acetone	21		ug/m <sup>3</sup>	0.41	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.19	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
71-43-2	Benzene	1.3		ug/m <sup>3</sup>	0.27	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.44	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.57	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.88	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.33	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.27	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
56-23-5	Carbon tetrachloride	0.27		ug/m <sup>3</sup>	0.13	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.39	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.23	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.42	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
74-87-3	Chloromethane	1.4		ug/m <sup>3</sup>	0.18	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.085	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.39	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
110-82-7	Cyclohexane	1.3		ug/m <sup>3</sup>	0.29	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.73	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-71-8	Dichlorodifluoromethane	2.2		ug/m <sup>3</sup>	0.42	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
141-78-6	* Ethyl acetate	3.9		ug/m <sup>3</sup>	0.62	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH



### Sample Information

**Client Sample ID:** IA07\_072123

**York Sample ID:** 23G1402-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:19 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1.5		ug/m <sup>3</sup>	0.37	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.91	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
67-63-0	Isopropanol	2.8		ug/m <sup>3</sup>	1.0	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.35	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.31	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-09-2	Methylene chloride	0.62		ug/m <sup>3</sup>	0.59	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
91-20-3	* Naphthalene	3.9		ug/m <sup>3</sup>	0.90	0.854	EPA TO-15 Certifications: NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
142-82-5	n-Heptane	2.3		ug/m <sup>3</sup>	0.35	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
110-54-3	n-Hexane	4.0		ug/m <sup>3</sup>	0.30	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
95-47-6	o-Xylene	1.8		ug/m <sup>3</sup>	0.37	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
179601-23-1	p- & m- Xylenes	5.0		ug/m <sup>3</sup>	0.74	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
622-96-8	* p-Ethyltoluene	1.2		ug/m <sup>3</sup>	0.42	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH
115-07-1	* Propylene	5.8		ug/m <sup>3</sup>	0.15	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.36	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
127-18-4	Tetrachloroethylene	1.7		ug/m <sup>3</sup>	0.58	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.50	0.854	EPA TO-15 Certifications:	07/27/2023 09:00	07/29/2023 16:23	VH
108-88-3	Toluene	8.9		ug/m <sup>3</sup>	0.32	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.34	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.39	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.11	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-69-4	Trichlorofluoromethane (Freon 11)	0.96		ug/m <sup>3</sup>	0.48	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.30	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH



**Sample Information**

**Client Sample ID:** IA07\_072123

**York Sample ID:** 23G1402-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1402

170758101

Indoor Ambient Air

July 21, 2023 5:19 pm

07/24/2023

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.37	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.11	0.854	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/27/2023 09:00	07/29/2023 16:23	VH





## Analytical Batch Summary

**Batch ID:** BG31570      **Preparation Method:** EPA TO15 PREP      **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
23G1402-02	IA01_072123	07/25/23
23G1402-03RE1	SSV02_072123	07/25/23
23G1402-04	IA02_072123	07/25/23
23G1402-06	IA03_072123	07/25/23
23G1402-08	IA04_072123	07/25/23
23G1402-09	SSV05_072123	07/25/23
23G1402-10	IA05_072123	07/25/23
23G1402-13	SSV07_072123	07/25/23
BG31570-BLK1	Blank	07/25/23
BG31570-BS1	LCS	07/25/23
BG31570-DUP1	Duplicate	07/25/23

**Batch ID:** BG31573      **Preparation Method:** EPA TO15 PREP      **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
23G1402-01	SSV01_072123	07/26/23
23G1402-03	SSV02_072123	07/26/23
23G1402-05	SSV03_072123	07/26/23
23G1402-07	SSV04_072123	07/26/23
23G1402-09RE1	SSV05_072123	07/25/23
23G1402-11	SSV06_072123	07/26/23
BG31573-BLK1	Blank	07/26/23
BG31573-BS1	LCS	07/26/23
BG31573-DUP1	Duplicate	07/26/23

**Batch ID:** BG31632      **Preparation Method:** EPA TO15 PREP      **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
23G1402-12	IA06_072123	07/27/23
BG31632-BLK1	Blank	07/27/23
BG31632-BS1	LCS	07/27/23
BG31632-DUP1	Duplicate	07/27/23

**Batch ID:** BG31709      **Preparation Method:** EPA TO15 PREP      **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
23G1402-14	IA07_072123	07/27/23
BG31709-BLK1	Blank	07/29/23
BG31709-BS1	LCS	07/29/23
BG31709-DUP1	Duplicate	07/29/23



**Volatile Organic Compounds in Air by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31570 - EPA TO15 PREP**

Blank (BG31570-BLK1)	Blank	Prepared & Analyzed: 07/25/2023									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	1.0	"								



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31570 - EPA TO15 PREP

Blank (BG31570-BLK1) Blank

Prepared & Analyzed: 07/25/2023

n-Heptane	ND	0.41	ug/m <sup>3</sup>								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BG31570-BS1) LCS

Prepared & Analyzed: 07/25/2023

1,1,1,2-Tetrachloroethane	9.84		ppbv	10.0	98.4	70-130					
1,1,1-Trichloroethane	7.61		"	10.0	76.1	70-130					
1,1,2,2-Tetrachloroethane	10.8		"	10.0	108	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.93		"	10.0	79.3	70-130					
1,1,2-Trichloroethane	11.5		"	10.0	115	70-130					
1,1-Dichloroethane	8.02		"	10.0	80.2	70-130					
1,1-Dichloroethylene	8.23		"	10.0	82.3	70-130					
1,2,4-Trichlorobenzene	8.72		"	10.0	87.2	70-130					
1,2,4-Trimethylbenzene	11.2		"	10.0	112	70-130					
1,2-Dibromoethane	10.4		"	10.0	104	70-130					
1,2-Dichlorobenzene	10.7		"	10.0	107	70-130					
1,2-Dichloroethane	8.28		"	10.0	82.8	70-130					
1,2-Dichloropropane	12.0		"	10.0	120	70-130					
1,2-Dichlorotetrafluoroethane	10.4		"	10.0	104	70-130					
1,3,5-Trimethylbenzene	10.5		"	10.0	105	70-130					
1,3-Butadiene	9.62		"	10.0	96.2	70-130					
1,3-Dichlorobenzene	9.31		"	10.0	93.1	70-130					
1,3-Dichloropropane	10.6		"	10.0	106	70-130					
1,4-Dichlorobenzene	9.29		"	10.0	92.9	70-130					
1,4-Dioxane	10.2		"	10.0	102	70-130					
2-Butanone	8.90		"	10.0	89.0	70-130					
2-Hexanone	14.9		"	10.0	149	70-130					High Bias
3-Chloropropene	8.59		"	10.0	85.9	70-130					
4-Methyl-2-pentanone	12.6		"	10.0	126	70-130					
Acetone	9.45		"	10.0	94.5	70-130					
Acrylonitrile	8.77		"	10.0	87.7	70-130					
Benzene	8.36		"	10.0	83.6	70-130					
Benzyl chloride	8.14		"	10.0	81.4	70-130					
Bromodichloromethane	11.1		"	10.0	111	70-130					
Bromoform	9.47		"	10.0	94.7	70-130					
Bromomethane	7.79		"	10.0	77.9	70-130					
Carbon disulfide	7.69		"	10.0	76.9	70-130					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31570 - EPA TO15 PREP

LCS (BG31570-BS1)	LCS	Prepared & Analyzed: 07/25/2023									
Carbon tetrachloride	7.44		ppbv	10.0		74.4	70-130				
Chlorobenzene	9.40		"	10.0		94.0	70-130				
Chloroethane	8.59		"	10.0		85.9	70-130				
Chloroform	7.80		"	10.0		78.0	70-130				
Chloromethane	10.5		"	10.0		105	70-130				
cis-1,2-Dichloroethylene	7.61		"	10.0		76.1	70-130				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Cyclohexane	8.45		"	10.0		84.5	70-130				
Dibromochloromethane	10.3		"	10.0		103	70-130				
Dichlorodifluoromethane	8.95		"	10.0		89.5	70-130				
Ethyl acetate	9.11		"	10.0		91.1	70-130				
Ethyl Benzene	10.3		"	10.0		103	70-130				
Hexachlorobutadiene	9.58		"	10.0		95.8	70-130				
Isopropanol	11.7		"	10.0		117	70-130				
Methyl Methacrylate	11.7		"	10.0		117	70-130				
Methyl tert-butyl ether (MTBE)	7.52		"	10.0		75.2	70-130				
Methylene chloride	8.82		"	10.0		88.2	70-130				
Naphthalene	9.03		"	10.0		90.3	70-130				
n-Heptane	10.0		"	10.0		100	70-130				
n-Hexane	8.54		"	10.0		85.4	70-130				
o-Xylene	11.5		"	10.0		115	70-130				
p- & m- Xylenes	24.4		"	20.0		122	70-130				
p-Ethyltoluene	11.1		"	10.0		111	70-130				
Propylene	9.45		"	10.0		94.5	70-130				
Styrene	11.5		"	10.0		115	70-130				
Tetrachloroethylene	9.50		"	10.0		95.0	70-130				
Tetrahydrofuran	8.89		"	10.0		88.9	70-130				
Toluene	10.2		"	10.0		102	70-130				
trans-1,2-Dichloroethylene	8.44		"	10.0		84.4	70-130				
trans-1,3-Dichloropropylene	11.1		"	10.0		111	70-130				
Trichloroethylene	9.90		"	10.0		99.0	70-130				
Trichlorofluoromethane (Freon 11)	8.42		"	10.0		84.2	70-130				
Vinyl acetate	8.22		"	10.0		82.2	70-130				
Vinyl bromide	7.64		"	10.0		76.4	70-130				
Vinyl Chloride	9.45		"	10.0		94.5	70-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31570 - EPA TO15 PREP

Duplicate (BG31570-DUP1)	Duplicate	*Source sample: 23G1402-13 (SSV07_072123)				Prepared: 07/25/2023 Analyzed: 07/26/2023	
1,1,1,2-Tetrachloroethane	ND	12	ug/m <sup>3</sup>	ND			25
1,1,1-Trichloroethane	ND	9.8	"	ND			25
1,1,2,2-Tetrachloroethane	ND	12	"	ND			25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	14	"	ND			25
1,1,2-Trichloroethane	ND	9.8	"	ND			25
1,1-Dichloroethane	ND	7.3	"	ND			25
1,1-Dichloroethylene	ND	1.8	"	ND			25
1,2,4-Trichlorobenzene	ND	13	"	ND			25
1,2,4-Trimethylbenzene	33	8.8	"	31		5.56	25
1,2-Dibromoethane	ND	14	"	ND			25
1,2-Dichlorobenzene	ND	11	"	ND			25
1,2-Dichloroethane	ND	7.3	"	ND			25
1,2-Dichloropropane	ND	8.3	"	ND			25
1,2-Dichlorotetrafluoroethane	ND	13	"	ND			25
1,3,5-Trimethylbenzene	ND	8.8	"	ND			25
1,3-Butadiene	ND	12	"	ND			25
1,3-Dichlorobenzene	ND	11	"	ND			25
1,3-Dichloropropane	ND	8.3	"	ND			25
1,4-Dichlorobenzene	ND	11	"	ND			25
1,4-Dioxane	ND	13	"	ND			25
2-Butanone	ND	5.3	"	ND			25
2-Hexanone	ND	15	"	ND			25
3-Chloropropene	ND	28	"	ND			25
4-Methyl-2-pentanone	ND	7.4	"	ND			25
Acetone	ND	8.5	"	9.0			25
Acrylonitrile	ND	3.9	"	ND			25
Benzene	ND	5.7	"	ND			25
Benzyl chloride	ND	9.3	"	ND			25
Bromodichloromethane	ND	12	"	ND			25
Bromoform	ND	19	"	ND			25
Bromomethane	ND	7.0	"	ND			25
Carbon disulfide	ND	5.6	"	ND			25
Carbon tetrachloride	ND	2.8	"	ND			25
Chlorobenzene	ND	8.3	"	ND			25
Chloroethane	ND	4.7	"	ND			25
Chloroform	ND	8.8	"	ND			25
Chloromethane	ND	3.7	"	ND			25
cis-1,2-Dichloroethylene	ND	1.8	"	ND			25
cis-1,3-Dichloropropylene	ND	8.2	"	ND			25
Cyclohexane	ND	6.2	"	ND			25
Dibromochloromethane	ND	15	"	ND			25
Dichlorodifluoromethane	ND	8.9	"	ND			25
Ethyl acetate	ND	13	"	ND			25
Ethyl Benzene	13	7.8	"	12		6.06	25
Hexachlorobutadiene	ND	19	"	ND			25
Isopropanol	ND	8.8	"	ND			25
Methyl Methacrylate	ND	7.4	"	ND			25
Methyl tert-butyl ether (MTBE)	ND	6.5	"	ND			25
Methylene chloride	ND	12	"	ND			25
Naphthalene	ND	19	"	ND			25
n-Heptane	ND	7.4	"	ND			25



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

York Analytical Laboratories, Inc. - Stratford

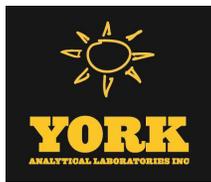
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31570 - EPA TO15 PREP**

Duplicate (BG31570-DUP1)	Duplicate	*Source sample: 23G1402-13 (SSV07_072123)				Prepared: 07/25/2023 Analyzed: 07/26/2023	
n-Hexane	ND	6.3	ug/m <sup>3</sup>	ND			25
o-Xylene	24	7.8	"	23		3.28	25
p- & m- Xylenes	56	16	"	55		2.82	25
p-Ethyltoluene	22	8.8	"	20		8.33	25
Propylene	ND	3.1	"	ND			25
Styrene	ND	7.7	"	ND			25
Tetrachloroethylene	3700	12	"	3900		5.80	25
Tetrahydrofuran	ND	11	"	ND			25
Toluene	23	6.8	"	23		0.00	25
trans-1,2-Dichloroethylene	ND	7.1	"	ND			25
trans-1,3-Dichloropropylene	ND	8.2	"	ND			25
Trichloroethylene	ND	2.4	"	ND			25
Trichlorofluoromethane (Freon 11)	ND	10	"	ND			25
Vinyl acetate	ND	6.3	"	ND			25
Vinyl bromide	ND	7.9	"	ND			25
Vinyl Chloride	ND	2.3	"	ND			25

**Batch BG31573 - EPA TO15 PREP**

Blank (BG31573-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								



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

York Analytical Laboratories, Inc. - Stratford

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

Batch BG31573 - EPA TO15 PREP

Blank (BG31573-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
Carbon disulfide	ND	0.31	ug/m <sup>3</sup>								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	0.59	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	1.0	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31573 - EPA TO15 PREP

LCS (BG31573-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	10.7		ppbv	10.0		107	70-130				
1,1,1-Trichloroethane	8.20		"	10.0		82.0	70-130				
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.56		"	10.0		85.6	70-130				
1,1,2-Trichloroethane	11.4		"	10.0		114	70-130				
1,1-Dichloroethane	8.43		"	10.0		84.3	70-130				
1,1-Dichloroethylene	8.56		"	10.0		85.6	70-130				
1,2,4-Trichlorobenzene	9.56		"	10.0		95.6	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	10.4		"	10.0		104	70-130				
1,2-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,2-Dichloroethane	8.50		"	10.0		85.0	70-130				
1,2-Dichloropropane	11.6		"	10.0		116	70-130				
1,2-Dichlorotetrafluoroethane	10.3		"	10.0		103	70-130				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	70-130				
1,3-Butadiene	17.7		"	10.0		177	70-130	High Bias			
1,3-Dichlorobenzene	9.76		"	10.0		97.6	70-130				
1,3-Dichloropropane	10.5		"	10.0		105	70-130				
1,4-Dichlorobenzene	9.80		"	10.0		98.0	70-130				
1,4-Dioxane	10.3		"	10.0		103	70-130				
2-Butanone	8.97		"	10.0		89.7	70-130				
2-Hexanone	13.5		"	10.0		135	70-130	High Bias			
3-Chloropropene	8.80		"	10.0		88.0	70-130				
4-Methyl-2-pentanone	11.8		"	10.0		118	70-130				
Acetone	9.59		"	10.0		95.9	70-130				
Acrylonitrile	8.87		"	10.0		88.7	70-130				
Benzene	8.93		"	10.0		89.3	70-130				
Benzyl chloride	8.87		"	10.0		88.7	70-130				
Bromodichloromethane	11.1		"	10.0		111	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	8.07		"	10.0		80.7	70-130				
Carbon disulfide	8.24		"	10.0		82.4	70-130				
Carbon tetrachloride	8.08		"	10.0		80.8	70-130				
Chlorobenzene	10.2		"	10.0		102	70-130				
Chloroethane	8.77		"	10.0		87.7	70-130				
Chloroform	8.21		"	10.0		82.1	70-130				
Chloromethane	19.2		"	10.0		192	70-130	High Bias			
cis-1,2-Dichloroethylene	7.77		"	10.0		77.7	70-130				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130				
Cyclohexane	8.85		"	10.0		88.5	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	8.64		"	10.0		86.4	70-130				
Ethyl acetate	9.15		"	10.0		91.5	70-130				
Ethyl Benzene	10.9		"	10.0		109	70-130				
Hexachlorobutadiene	8.62		"	10.0		86.2	70-130				
Isopropanol	12.2		"	10.0		122	70-130				
Methyl Methacrylate	11.3		"	10.0		113	70-130				
Methyl tert-butyl ether (MTBE)	8.07		"	10.0		80.7	70-130				
Methylene chloride	9.05		"	10.0		90.5	70-130				
Naphthalene	10.0		"	10.0		100	70-130				
n-Heptane	10.2		"	10.0		102	70-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31573 - EPA TO15 PREP

LCS (BG31573-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
n-Hexane	9.00		ppbv	10.0		90.0	70-130				
o-Xylene	12.0		"	10.0		120	70-130				
p- & m- Xylenes	25.2		"	20.0		126	70-130				
p-Ethyltoluene	11.4		"	10.0		114	70-130				
Propylene	9.16		"	10.0		91.6	70-130				
Styrene	12.1		"	10.0		121	70-130				
Tetrachloroethylene	9.49		"	10.0		94.9	70-130				
Tetrahydrofuran	8.99		"	10.0		89.9	70-130				
Toluene	10.3		"	10.0		103	70-130				
trans-1,2-Dichloroethylene	8.77		"	10.0		87.7	70-130				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	70-130				
Trichloroethylene	10.0		"	10.0		100	70-130				
Trichlorofluoromethane (Freon 11)	8.78		"	10.0		87.8	70-130				
Vinyl acetate	8.30		"	10.0		83.0	70-130				
Vinyl bromide	8.35		"	10.0		83.5	70-130				
Vinyl Chloride	17.6		"	10.0		176	70-130	High Bias			

Duplicate (BG31573-DUP1)	Duplicate	*Source sample: 23G1402-11 (SSV06_072123)									
1,1,1,2-Tetrachloroethane	ND	1.4	ug/m <sup>3</sup>		ND						25
1,1,1-Trichloroethane	7.6	1.1	"		7.6				0.00		25
1,1,2,2-Tetrachloroethane	ND	1.4	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.5	"		ND						25
1,1,2-Trichloroethane	ND	1.1	"		ND						25
1,1-Dichloroethane	ND	0.80	"		ND						25
1,1-Dichloroethylene	ND	0.20	"		ND						25
1,2,4-Trichlorobenzene	ND	1.5	"		ND						25
1,2,4-Trimethylbenzene	48	0.98	"		46				4.79		25
1,2-Dibromoethane	ND	1.5	"		ND						25
1,2-Dichlorobenzene	ND	1.2	"		ND						25
1,2-Dichloroethane	ND	0.80	"		ND						25
1,2-Dichloropropane	ND	0.92	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	1.4	"		ND						25
1,3,5-Trimethylbenzene	12	0.98	"		12				4.92		25
1,3-Butadiene	ND	1.3	"		ND						25
1,3-Dichlorobenzene	ND	1.2	"		ND						25
1,3-Dichloropropane	ND	0.92	"		ND						25
1,4-Dichlorobenzene	ND	1.2	"		ND						25
1,4-Dioxane	ND	1.4	"		ND						25
2-Butanone	4.6	0.59	"		4.4				2.60		25
2-Hexanone	ND	1.6	"		ND						25
3-Chloropropene	ND	3.1	"		ND						25
4-Methyl-2-pentanone	ND	0.81	"		ND						25
Acetone	33	0.94	"		32				1.16		25
Acrylonitrile	1.1	0.43	"		1.1				0.00		25
Benzene	8.4	0.63	"		8.2				1.53		25
Benzyl chloride	ND	1.0	"		ND						25
Bromodichloromethane	ND	1.3	"		ND						25
Bromoform	ND	2.1	"		ND						25
Bromomethane	ND	0.77	"		ND						25
Carbon disulfide	20	0.62	"		20				1.53		25
Carbon tetrachloride	0.87	0.31	"		0.87				0.00		25



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31573 - EPA TO15 PREP

Duplicate (BG31573-DUP1)	Duplicate	*Source sample: 23G1402-11 (SSV06_072123)				Prepared & Analyzed: 07/26/2023					
Chlorobenzene	ND	0.91	ug/m <sup>3</sup>	ND						25	
Chloroethane	0.68	0.52	"	0.73					7.41	25	
Chloroform	22	0.97	"	22					1.34	25	
Chloromethane	1.3	0.41	"	1.3					0.00	25	
cis-1,2-Dichloroethylene	ND	0.20	"	ND						25	
cis-1,3-Dichloropropylene	ND	0.90	"	ND						25	
Cyclohexane	8.5	0.68	"	8.3					1.63	25	
Dibromochloromethane	ND	1.7	"	ND						25	
Dichlorodifluoromethane	2.8	0.98	"	2.7					3.51	25	
Ethyl acetate	ND	1.4	"	ND						25	
Ethyl Benzene	29	0.86	"	27					3.99	25	
Hexachlorobutadiene	ND	2.1	"	ND						25	
Isopropanol	4.2	0.98	"	4.1					1.17	25	
Methyl Methacrylate	ND	0.81	"	ND						25	
Methyl tert-butyl ether (MTBE)	ND	0.72	"	ND						25	
Methylene chloride	ND	1.4	"	ND						25	
Naphthalene	3.3	2.1	"	3.1					6.45	25	
n-Heptane	14	0.81	"	14					2.35	25	
n-Hexane	9.7	0.70	"	9.4					2.20	25	
o-Xylene	51	0.86	"	49					4.82	25	
p- & m- Xylenes	130	1.7	"	130					4.58	25	
p-Ethyltoluene	39	0.98	"	37					5.15	25	
Propylene	10	0.34	"	10					0.341	25	
Styrene	ND	0.85	"	ND						25	
Tetrachloroethylene	29	1.3	"	44					43.3	25	Non-dir.
Tetrahydrofuran	ND	1.2	"	ND						25	
Toluene	76	0.75	"	74					3.18	25	
trans-1,2-Dichloroethylene	ND	0.79	"	ND						25	
trans-1,3-Dichloropropylene	ND	0.90	"	ND						25	
Trichloroethylene	1.3	0.27	"	1.3					0.00	25	
Trichlorofluoromethane (Freon 11)	2.5	1.1	"	2.5					0.00	25	
Vinyl acetate	ND	0.70	"	ND						25	
Vinyl bromide	ND	0.87	"	ND						25	
Vinyl Chloride	ND	0.25	"	ND						25	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31632 - EPA TO15 PREP

Blank (BG31632-BLK1) Blank Prepared: 07/27/2023 Analyzed: 07/28/2023

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	1.0	"								
n-Heptane	ND	0.41	"								



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

York Analytical Laboratories, Inc. - Stratford

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

Batch BG31632 - EPA TO15 PREP

Blank (BG31632-BLK1)	Blank											Prepared: 07/27/2023 Analyzed: 07/28/2023				
n-Hexane	ND	0.35	ug/m <sup>3</sup>													
o-Xylene	ND	0.43	"													
p- & m- Xylenes	ND	0.87	"													
p-Ethyltoluene	ND	0.49	"													
Propylene	ND	0.17	"													
Styrene	ND	0.43	"													
Tetrachloroethylene	ND	0.68	"													
Tetrahydrofuran	ND	0.59	"													
Toluene	ND	0.38	"													
trans-1,2-Dichloroethylene	ND	0.40	"													
trans-1,3-Dichloropropylene	ND	0.45	"													
Trichloroethylene	ND	0.13	"													
Trichlorofluoromethane (Freon 11)	ND	0.56	"													
Vinyl acetate	ND	0.35	"													
Vinyl bromide	ND	0.44	"													
Vinyl Chloride	ND	0.13	"													

LCS (BG31632-BS1)	LCS											Prepared: 07/27/2023 Analyzed: 07/28/2023				
1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0	101	70-130										
1,1,1-Trichloroethane	8.52		"	10.0	85.2	70-130										
1,1,2,2-Tetrachloroethane	11.0		"	10.0	110	70-130										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.77		"	10.0	87.7	70-130										
1,1,2-Trichloroethane	12.3		"	10.0	123	70-130										
1,1-Dichloroethane	9.32		"	10.0	93.2	70-130										
1,1-Dichloroethylene	9.26		"	10.0	92.6	70-130										
1,2,4-Trichlorobenzene	8.87		"	10.0	88.7	70-130										
1,2,4-Trimethylbenzene	11.2		"	10.0	112	70-130										
1,2-Dibromoethane	11.2		"	10.0	112	70-130										
1,2-Dichlorobenzene	11.0		"	10.0	110	70-130										
1,2-Dichloroethane	9.33		"	10.0	93.3	70-130										
1,2-Dichloropropane	12.9		"	10.0	129	70-130										
1,2-Dichlorotetrafluoroethane	9.70		"	10.0	97.0	70-130										
1,3,5-Trimethylbenzene	11.0		"	10.0	110	70-130										
1,3-Butadiene	10.1		"	10.0	101	70-130										
1,3-Dichlorobenzene	9.53		"	10.0	95.3	70-130										
1,3-Dichloropropane	11.4		"	10.0	114	70-130										
1,4-Dichlorobenzene	9.58		"	10.0	95.8	70-130										
1,4-Dioxane	10.4		"	10.0	104	70-130										
2-Butanone	10.1		"	10.0	101	70-130										
2-Hexanone	16.3		"	10.0	163	70-130										High Bias
3-Chloropropene	9.85		"	10.0	98.5	70-130										
4-Methyl-2-pentanone	13.7		"	10.0	137	70-130										High Bias
Acetone	9.30		"	10.0	93.0	70-130										
Acrylonitrile	9.46		"	10.0	94.6	70-130										
Benzene	9.44		"	10.0	94.4	70-130										
Benzyl chloride	8.21		"	10.0	82.1	70-130										
Bromodichloromethane	12.0		"	10.0	120	70-130										
Bromoform	10.3		"	10.0	103	70-130										
Bromomethane	9.49		"	10.0	94.9	70-130										
Carbon disulfide	8.83		"	10.0	88.3	70-130										
Carbon tetrachloride	8.32		"	10.0	83.2	70-130										



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

York Analytical Laboratories, Inc. - Stratford

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

Batch BG31632 - EPA TO15 PREP

LCS (BG31632-BS1) LCS Prepared: 07/27/2023 Analyzed: 07/28/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	Limits	Flag	RPD	Limit	Flag
Chlorobenzene	9.54		ppbv	10.0		95.4	70-130				
Chloroethane	9.91		"	10.0		99.1	70-130				
Chloroform	8.74		"	10.0		87.4	70-130				
Chloromethane	10.6		"	10.0		106	70-130				
cis-1,2-Dichloroethylene	8.34		"	10.0		83.4	70-130				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	70-130				
Cyclohexane	9.54		"	10.0		95.4	70-130				
Dibromochloromethane	11.4		"	10.0		114	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	10.3		"	10.0		103	70-130				
Ethyl Benzene	10.5		"	10.0		105	70-130				
Hexachlorobutadiene	10.9		"	10.0		109	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	13.1		"	10.0		131	70-130	High Bias			
Methyl tert-butyl ether (MTBE)	8.42		"	10.0		84.2	70-130				
Methylene chloride	10.0		"	10.0		100	70-130				
Naphthalene	8.59		"	10.0		85.9	70-130				
n-Heptane	11.4		"	10.0		114	70-130				
n-Hexane	9.52		"	10.0		95.2	70-130				
o-Xylene	11.7		"	10.0		117	70-130				
p- & m- Xylenes	24.8		"	20.0		124	70-130				
p-Ethyltoluene	11.0		"	10.0		110	70-130				
Propylene	11.1		"	10.0		111	70-130				
Styrene	11.7		"	10.0		117	70-130				
Tetrachloroethylene	10.6		"	10.0		106	70-130				
Tetrahydrofuran	10.1		"	10.0		101	70-130				
Toluene	11.1		"	10.0		111	70-130				
trans-1,2-Dichloroethylene	9.50		"	10.0		95.0	70-130				
trans-1,3-Dichloropropylene	11.7		"	10.0		117	70-130				
Trichloroethylene	10.6		"	10.0		106	70-130				
Trichlorofluoromethane (Freon 11)	9.43		"	10.0		94.3	70-130				
Vinyl acetate	8.87		"	10.0		88.7	70-130				
Vinyl bromide	8.27		"	10.0		82.7	70-130				
Vinyl Chloride	10.6		"	10.0		106	70-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31632 - EPA TO15 PREP

Duplicate (BG31632-DUP1)	Duplicate	*Source sample: 23G1296-01RE1 (Duplicate)				Prepared: 07/27/2023 Analyzed: 07/30/2023	
1,1,1,2-Tetrachloroethane	ND	61	ug/m <sup>3</sup>	ND			25
1,1,1-Trichloroethane	ND	48	"	ND			25
1,1,2,2-Tetrachloroethane	ND	61	"	ND			25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	68	"	ND			25
1,1,2-Trichloroethane	ND	48	"	ND			25
1,1-Dichloroethane	ND	36	"	ND			25
1,1-Dichloroethylene	ND	8.7	"	ND			25
1,2,4-Trichlorobenzene	ND	65	"	ND			25
1,2,4-Trimethylbenzene	ND	43	"	ND			25
1,2-Dibromoethane	ND	68	"	ND			25
1,2-Dichlorobenzene	ND	53	"	ND			25
1,2-Dichloroethane	ND	36	"	ND			25
1,2-Dichloropropane	ND	41	"	ND			25
1,2-Dichlorotetrafluoroethane	ND	62	"	ND			25
1,3,5-Trimethylbenzene	ND	43	"	ND			25
1,3-Butadiene	310	59	"	280		9.15	25
1,3-Dichlorobenzene	ND	53	"	ND			25
1,3-Dichloropropane	ND	41	"	ND			25
1,4-Dichlorobenzene	ND	53	"	ND			25
1,4-Dioxane	ND	64	"	ND			25
2-Butanone	42	26	"	42		0.00	25
2-Hexanone	ND	72	"	ND			25
3-Chloropropene	ND	140	"	ND			25
4-Methyl-2-pentanone	ND	36	"	ND			25
Acetone	69	42	"	73		5.88	25
Acrylonitrile	ND	19	"	ND			25
Benzene	31	28	"	34		8.70	25
Benzyl chloride	ND	46	"	ND			25
Bromodichloromethane	ND	59	"	ND			25
Bromoform	ND	91	"	ND			25
Bromomethane	ND	34	"	ND			25
Carbon disulfide	ND	27	"	ND			25
Carbon tetrachloride	ND	14	"	ND			25
Chlorobenzene	ND	41	"	ND			25
Chloroethane	ND	23	"	ND			25
Chloroform	ND	43	"	ND			25
Chloromethane	ND	18	"	ND			25
cis-1,2-Dichloroethylene	35	8.7	"	35		0.00	25
cis-1,3-Dichloropropylene	ND	40	"	ND			25
Cyclohexane	ND	30	"	ND			25
Dibromochloromethane	ND	75	"	ND			25
Dichlorodifluoromethane	ND	44	"	ND			25
Ethyl acetate	ND	64	"	ND			25
Ethyl Benzene	ND	38	"	ND			25
Hexachlorobutadiene	ND	94	"	ND			25
Isopropanol	ND	43	"	46			25
Methyl Methacrylate	ND	36	"	ND			25
Methyl tert-butyl ether (MTBE)	ND	32	"	ND			25
Methylene chloride	ND	61	"	ND			25
Naphthalene	ND	92	"	ND			25
n-Heptane	54	36	"	54		0.00	25



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31632 - EPA TO15 PREP**

Duplicate (BG31632-DUP1)	Duplicate	*Source sample: 23G1296-01RE1 (Duplicate)				Prepared: 07/27/2023 Analyzed: 07/30/2023	
n-Hexane	160	31	ug/m <sup>3</sup>	160		1.90	25
o-Xylene	ND	38	"	ND			25
p- & m- Xylenes	ND	77	"	ND			25
p-Ethyltoluene	ND	43	"	ND			25
Propylene	4800	15	"	5100		5.68	25
Styrene	ND	38	"	ND			25
Tetrachloroethylene	320	60	"	350		9.01	25
Tetrahydrofuran	ND	52	"	ND			25
Toluene	60	33	"	63		5.41	25
trans-1,2-Dichloroethylene	ND	35	"	ND			25
trans-1,3-Dichloropropylene	ND	40	"	ND			25
Trichloroethylene	14	12	"	14		0.00	25
Trichlorofluoromethane (Freon 11)	ND	50	"	ND			25
Vinyl acetate	ND	31	"	ND			25
Vinyl bromide	ND	39	"	ND			25
Vinyl Chloride	ND	11	"	ND			25

**Batch BG31709 - EPA TO15 PREP**

Blank (BG31709-BLK1)	Blank	Prepared & Analyzed: 07/29/2023									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	0.74	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								



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

York Analytical Laboratories, Inc. - Stratford

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

Batch BG31709 - EPA TO15 PREP

Blank (BG31709-BLK1)	Blank									Prepared & Analyzed: 07/29/2023
Carbon disulfide	ND	0.31	ug/m <sup>3</sup>							
Carbon tetrachloride	ND	0.16	"							
Chlorobenzene	ND	0.46	"							
Chloroethane	ND	0.26	"							
Chloroform	ND	0.49	"							
Chloromethane	ND	0.21	"							
cis-1,2-Dichloroethylene	ND	0.099	"							
cis-1,3-Dichloropropylene	ND	0.45	"							
Cyclohexane	ND	0.34	"							
Dibromochloromethane	ND	0.85	"							
Dichlorodifluoromethane	ND	0.49	"							
Ethyl acetate	ND	0.72	"							
Ethyl Benzene	ND	0.43	"							
Hexachlorobutadiene	ND	1.1	"							
Isopropanol	ND	0.49	"							
Methyl Methacrylate	ND	0.41	"							
Methyl tert-butyl ether (MTBE)	ND	0.36	"							
Methylene chloride	ND	0.69	"							
Naphthalene	ND	1.0	"							
n-Heptane	ND	0.41	"							
n-Hexane	ND	0.35	"							
o-Xylene	ND	0.43	"							
p- & m- Xylenes	ND	0.87	"							
p-Ethyltoluene	ND	0.49	"							
Propylene	ND	0.17	"							
Styrene	ND	0.43	"							
Tetrachloroethylene	ND	0.68	"							
Tetrahydrofuran	ND	0.59	"							
Toluene	ND	0.38	"							
trans-1,2-Dichloroethylene	ND	0.40	"							
trans-1,3-Dichloropropylene	ND	0.45	"							
Trichloroethylene	ND	0.13	"							
Trichlorofluoromethane (Freon 11)	ND	0.56	"							
Vinyl acetate	ND	0.35	"							
Vinyl bromide	ND	0.44	"							
Vinyl Chloride	ND	0.13	"							



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31709 - EPA TO15 PREP

LCS (BG31709-BS1)	LCS	Prepared & Analyzed: 07/29/2023									
1,1,1,2-Tetrachloroethane	10.2		ppbv	10.0		102	70-130				
1,1,1-Trichloroethane	8.50		"	10.0		85.0	70-130				
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.82		"	10.0		88.2	70-130				
1,1,2-Trichloroethane	12.4		"	10.0		124	70-130				
1,1-Dichloroethane	9.31		"	10.0		93.1	70-130				
1,1-Dichloroethylene	9.28		"	10.0		92.8	70-130				
1,2,4-Trichlorobenzene	9.34		"	10.0		93.4	70-130				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	70-130				
1,2-Dibromoethane	11.4		"	10.0		114	70-130				
1,2-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,2-Dichloroethane	9.33		"	10.0		93.3	70-130				
1,2-Dichloropropane	13.0		"	10.0		130	70-130				
1,2-Dichlorotetrafluoroethane	10.2		"	10.0		102	70-130				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	70-130				
1,3-Butadiene	10.6		"	10.0		106	70-130				
1,3-Dichlorobenzene	9.62		"	10.0		96.2	70-130				
1,3-Dichloropropane	11.5		"	10.0		115	70-130				
1,4-Dichlorobenzene	9.71		"	10.0		97.1	70-130				
1,4-Dioxane	10.6		"	10.0		106	70-130				
2-Butanone	10.0		"	10.0		100	70-130				
2-Hexanone	16.3		"	10.0		163	70-130	High Bias			
3-Chloropropene	9.82		"	10.0		98.2	70-130				
4-Methyl-2-pentanone	13.8		"	10.0		138	70-130	High Bias			
Acetone	9.49		"	10.0		94.9	70-130				
Acrylonitrile	9.45		"	10.0		94.5	70-130				
Benzene	9.37		"	10.0		93.7	70-130				
Benzyl chloride	8.47		"	10.0		84.7	70-130				
Bromodichloromethane	12.1		"	10.0		121	70-130				
Bromoform	10.4		"	10.0		104	70-130				
Bromomethane	9.52		"	10.0		95.2	70-130				
Carbon disulfide	8.81		"	10.0		88.1	70-130				
Carbon tetrachloride	8.25		"	10.0		82.5	70-130				
Chlorobenzene	9.81		"	10.0		98.1	70-130				
Chloroethane	9.89		"	10.0		98.9	70-130				
Chloroform	8.75		"	10.0		87.5	70-130				
Chloromethane	11.5		"	10.0		115	70-130				
cis-1,2-Dichloroethylene	8.42		"	10.0		84.2	70-130				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	70-130				
Cyclohexane	9.44		"	10.0		94.4	70-130				
Dibromochloromethane	11.4		"	10.0		114	70-130				
Dichlorodifluoromethane	10.2		"	10.0		102	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	10.6		"	10.0		106	70-130				
Hexachlorobutadiene	10.9		"	10.0		109	70-130				
Isopropanol	10.3		"	10.0		103	70-130				
Methyl Methacrylate	13.2		"	10.0		132	70-130	High Bias			
Methyl tert-butyl ether (MTBE)	8.38		"	10.0		83.8	70-130				
Methylene chloride	9.88		"	10.0		98.8	70-130				
Naphthalene	8.91		"	10.0		89.1	70-130				
n-Heptane	11.3		"	10.0		113	70-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31709 - EPA TO15 PREP

LCS (BG31709-BS1)	LCS	Prepared & Analyzed: 07/29/2023									
n-Hexane	9.61		ppbv	10.0		96.1	70-130				
o-Xylene	11.9		"	10.0		119	70-130				
p- & m- Xylenes	25.1		"	20.0		126	70-130				
p-Ethyltoluene	11.2		"	10.0		112	70-130				
Propylene	10.8		"	10.0		108	70-130				
Styrene	12.0		"	10.0		120	70-130				
Tetrachloroethylene	10.7		"	10.0		107	70-130				
Tetrahydrofuran	9.98		"	10.0		99.8	70-130				
Toluene	11.1		"	10.0		111	70-130				
trans-1,2-Dichloroethylene	9.53		"	10.0		95.3	70-130				
trans-1,3-Dichloropropylene	12.0		"	10.0		120	70-130				
Trichloroethylene	10.7		"	10.0		107	70-130				
Trichlorofluoromethane (Freon 11)	9.54		"	10.0		95.4	70-130				
Vinyl acetate	9.76		"	10.0		97.6	70-130				
Vinyl bromide	8.31		"	10.0		83.1	70-130				
Vinyl Chloride	11.1		"	10.0		111	70-130				

Duplicate (BG31709-DUP1)	Duplicate	*Source sample: 23G1443-01 (Duplicate)									
1,1,1,2-Tetrachloroethane	ND	12	ug/m <sup>3</sup>		ND						25
1,1,1-Trichloroethane	ND	9.7	"		ND						25
1,1,2,2-Tetrachloroethane	ND	12	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	14	"		ND						25
1,1,2-Trichloroethane	ND	9.7	"		ND						25
1,1-Dichloroethane	ND	7.2	"		ND						25
1,1-Dichloroethylene	ND	1.8	"		ND						25
1,2,4-Trichlorobenzene	ND	13	"		ND						25
1,2,4-Trimethylbenzene	31	8.7	"		32			2.74			25
1,2-Dibromoethane	ND	14	"		ND						25
1,2-Dichlorobenzene	ND	11	"		ND						25
1,2-Dichloroethane	ND	7.2	"		ND						25
1,2-Dichloropropane	ND	8.2	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	12	"		ND						25
1,3,5-Trimethylbenzene	9.6	8.7	"		9.6			0.00			25
1,3-Butadiene	64	12	"		58			9.03			25
1,3-Dichlorobenzene	ND	11	"		ND						25
1,3-Dichloropropane	ND	8.2	"		ND						25
1,4-Dichlorobenzene	ND	11	"		ND						25
1,4-Dioxane	ND	13	"		ND						25
2-Butanone	110	5.2	"		110			0.917			25
2-Hexanone	40	15	"		20			65.1			25 Non-dir.
3-Chloropropene	ND	28	"		ND						25
4-Methyl-2-pentanone	71	7.3	"		75			4.98			25
Acetone	210	8.4	"		220			1.38			25
Acrylonitrile	ND	3.9	"		ND						25
Benzene	15	5.7	"		15			0.00			25
Benzyl chloride	ND	9.2	"		ND						25
Bromodichloromethane	ND	12	"		ND						25
Bromoform	ND	18	"		ND						25
Bromomethane	ND	6.9	"		ND						25
Carbon disulfide	ND	5.5	"		ND						25
Carbon tetrachloride	ND	2.8	"		ND						25



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31709 - EPA TO15 PREP

Duplicate (BG31709-DUP1)	Duplicate	*Source sample: 23G1443-01 (Duplicate)				Prepared: 07/29/2023 Analyzed: 07/30/2023	
Chlorobenzene	ND	8.2	ug/m <sup>3</sup>	ND			25
Chloroethane	ND	4.7	"	ND			25
Chloroform	38	8.7	"	36		4.65	25
Chloromethane	5.1	3.7	"	5.9		13.3	25
cis-1,2-Dichloroethylene	ND	1.8	"	ND			25
cis-1,3-Dichloropropylene	ND	8.1	"	ND			25
Cyclohexane	ND	6.1	"	ND			25
Dibromochloromethane	ND	15	"	ND			25
Dichlorodifluoromethane	ND	8.8	"	ND			25
Ethyl acetate	ND	13	"	ND			25
Ethyl Benzene	9.3	7.7	"	9.3		0.00	25
Hexachlorobutadiene	ND	19	"	ND			25
Isopropanol	15	8.7	"	16		5.56	25
Methyl Methacrylate	ND	7.3	"	ND			25
Methyl tert-butyl ether (MTBE)	ND	6.4	"	ND			25
Methylene chloride	ND	12	"	ND			25
Naphthalene	ND	19	"	ND			25
n-Heptane	17	7.3	"	17		0.00	25
n-Hexane	26	6.3	"	26		0.00	25
o-Xylene	19	7.7	"	19		0.00	25
p- & m- Xylenes	35	15	"	34		2.25	25
p-Ethyltoluene	21	8.7	"	22		4.08	25
Propylene	800	3.1	"	870		7.91	25
Styrene	ND	7.6	"	ND			25
Tetrachloroethylene	ND	12	"	ND			25
Tetrahydrofuran	ND	10	"	ND			25
Toluene	33	6.7	"	33		2.02	25
trans-1,2-Dichloroethylene	ND	7.0	"	ND			25
trans-1,3-Dichloropropylene	ND	8.1	"	ND			25
Trichloroethylene	ND	2.4	"	ND			25
Trichlorofluoromethane (Freon 11)	ND	10	"	ND			25
Vinyl acetate	ND	6.3	"	ND			25
Vinyl bromide	ND	7.8	"	ND			25
Vinyl Chloride	ND	2.3	"	ND			25





## Sample and Data Qualifiers Relating to This Work Order

- TO-LCS-H The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
- TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

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Revision Description: This report has been revised to include Naphthalene.





**YORK**  
LABORATORIES, INC.

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

132-02 89th Ave Queens,  
NY 11418

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

Your

Page 2 of 2

# Field Chain-of-Custody Record - AIR

2361402

YORK Project No. 2361358101

### YOUR Information

### Report To:

### Invoice To:

### YOUR Project Number

### Turn-Around Time

Company: LANGAN	Company:	Company:	Company:	YOUR Project Name	RUSH - Next Day
Address: 300 W 31st Street	Address:	Address:	Address:	324 Avenue	RUSH - Two Day
City: NYC, NY, 10001	City:	City:	City:		RUSH - Three Day
Phone: 212-479-5400	Phone:	Phone:	Phone:		RUSH - Four Day
Contact: Albert Tashy	Contact:	Contact:	Contact:		Standard (5-7 Day)
E-mail: ATashy@langan.com	E-mail:	E-mail:	E-mail:		

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Hi Reach

Samples Collected by: (print your name above and sign below)  
Ali M

Certified Canisters: Batch Individual

### Sample Identification

### Air Matrix Codes

### Samples From

### Report / EDD Type (circle selections)

### YORK Reg. Comp.

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont ID	Analysis Requested	Reporting Units: ug/m <sup>3</sup> / ppbv / ppmv	Start Time
SS1006-072123	7/21/23 7:30	AS	-30	-10	20753	17985	TO-15, VOCs		0930
FA06-072123	8:33	AI	-30	-10	16453	12188			1030
SSV07-072123	7:30	AS	-30	-8	37003	17844			0930
IA07-072123	7:19	AI	-30	-5	28057	6875			0931

Please enter the following REQUIRED Field Data

AI - Indoor Ambient Air	New York	Summary Report	CT RCP	Standard Excel EDD
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DOA/DUE	EQUIS (Standard)
AE - Vapor Extraction Well/Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NY SDEC EQUIS
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKOP	NJDEP SRP HazSite
Other	Other	Other		

Comments: Please cc: Data Management@langan.com and Lmccormell@langan.com

### Detection Limits Required

### Sampling Media

≤ 1 ug/m<sup>3</sup> Routine Survey  
NY SDEC V1 Limits  
Other

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Knownell	7/21/23 20:01	Michael G. Kelly	7/21/23 16:06	Michael G. Kelly	7/22/23	Michael G. Kelly	7/22/23
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/04/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1540

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/04/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1540

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 26, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1540-01	RIMW02_072623	Water	07/26/2023	07/26/2023
23G1540-02	GWFB01_072623	Water	07/26/2023	07/26/2023
23G1540-03	GWTB02_072623	Water	07/26/2023	07/26/2023
23G1540-04	GWECFB02_072623	Water	07/26/2023	07/26/2023

## General Notes for York Project (SDG) No.: 23G1540

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

Approved By



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/04/2023





### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

<u>York Project (SDG) No.</u> 23G1540	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 1:45 pm	<u>Date Received</u> 07/26/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
67-64-1	<b>Acetone</b>	<b>2.11</b>	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
110-82-7	<b>Cyclohexane</b>	<b>1.45</b>	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
87-68-3	Hexachlorobutadiene	ND	QL-02, CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
98-82-8	<b>Isopropylbenzene</b>	<b>2.78</b>		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
108-87-2	<b>Methylcyclohexane</b>	<b>4.36</b>		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
104-51-8	<b>n-Butylbenzene</b>	<b>0.420</b>		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
103-65-1	<b>n-Propylbenzene</b>	<b>3.48</b>		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>0.630</b>		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
135-98-8	<b>sec-Butylbenzene</b>	<b>0.480</b>		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>6.56</b>	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 18:02	JTG



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 18:02	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 18:02	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.0 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.3 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.4 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

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23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

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23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH
110-86-1	Pyridine	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 17:31	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	33.0 %									
13127-88-3	Surrogate: SURR: Phenol-d6	18.8 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	82.5 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	81.7 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	131 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.7 %									

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0500		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
91-20-3	Naphthalene	0.680		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 05:07	KH



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 05:07	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.896		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/27/2023 20:12	08/02/2023 13:22	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	84.6 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.62		ng/L	0.475	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	54.3		ng/L	0.353	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	26.6		ng/L	0.717	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.22		ng/L	0.687	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	64.7		ng/L	0.424	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.30		ng/L	0.828	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	4.75		ng/L	0.525	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.757	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.889	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.747	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.697	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ





### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.798	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>77.7</b>		ng/L	0.232	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.889	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.919	1.93	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.95	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>1.54</b>	J	ng/L	1.07	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.07	7.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>19.3</b>		ng/L	0.333	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.505	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.16	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.252	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.374	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.768	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.81	7.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.26	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.707	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
919005-14-4	ADONA	ND		ng/L	0.535	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:20	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.939	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.869	1.94	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.05	5.05	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.40	25.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.56	25.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.03	20.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.03	20.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.82	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:20	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	104 %	25-150
Surrogate: M5PFHxA	168 %	25-150
Surrogate: M4PFHpA	118 %	25-150
Surrogate: M3PFHxS	120 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	139 %	25-150
Surrogate: M6PFDA	92.6 %	25-150
Surrogate: M7PFUdA	72.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	62.6 %	25-150
Surrogate: M2PFTeDA	39.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	9.97 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	161 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	161 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	136 %	10-150
Surrogate: d3-N-MeFOSAA	159 %	25-150
Surrogate: d5-N-EtFOSAA	142 %	25-150
Surrogate: M2-6:2 FTS	294 %	25-200
Surrogate: M2-8:2 FTS	179 %	25-200
Surrogate: M9PFNA	100 %	25-150
Surrogate: M2-4:2 FTS	457 %	25-150
Surrogate: d-N-MeFOSA	43.1 %	25-150
Surrogate: d-N-EtFOSA	38.6 %	25-150
Surrogate: M3HFPO-DA	119 %	25-150
Surrogate: d9-N-EtFOSE	64.4 %	25-150
Surrogate: d7-N-MeFOSE	83.5 %	25-150



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

<u>York Project (SDG) No.</u> 23G1540	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 1:45 pm	<u>Date Received</u> 07/26/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
319-85-7	beta-BHC	0.0120	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
33213-65-9	Endosulfan II	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:36	BCJ



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 13:11	08/03/2023 03:36	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	76.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	62.3 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 21:51	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 13:11	08/02/2023 21:51	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:11	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:11	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:11	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



**Sample Information**

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 75.6 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.665	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-39-3	Barium	0.648		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-70-2	Calcium	231	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7439-89-6	Iron	34.4	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7439-92-1	Lead	0.0479		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7439-95-4	Magnesium	44.0	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7439-96-5	Manganese	0.832		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-09-7	Potassium	47.0	M-BS, M-CCV 1, B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-23-5	Sodium	1050		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:39	CEG

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.166		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-39-3	Barium	0.687		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-70-2	Calcium	264		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7439-89-6	Iron	33.8		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7439-92-1	Lead	0.00970		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7439-95-4	Magnesium	51.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7439-96-5	Manganese	0.893		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-09-7	Potassium	60.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-23-5	Sodium	1060		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:21	CW

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw
7440-38-2	Arsenic	27.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw
7440-41-7	Beryllium	0.335		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw



### Sample Information

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 1:45 pm

07/26/2023

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	0.620		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:52	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw
7440-38-2	Arsenic	22.0		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:58	08/01/2023 16:57	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0005		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:32	08/03/2023 08:32	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW02\_072623

**York Sample ID:** 23G1540-01

<u>York Project (SDG) No.</u> 23G1540	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 1:45 pm	<u>Date Received</u> 07/26/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/26/2023 16:49	07/26/2023 22:07	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	08/03/2023 09:30	08/03/2023 15:29	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/02/2023 14:16	08/02/2023 21:31	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
67-66-3	<b>Chloroform</b>	<b>1.33</b>		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 08:00	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02, CCVE	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 08:00	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 08:00	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.5 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.1 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
110-86-1	Pyridine	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/02/2023 18:00	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	30.0 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	17.3 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.5 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.8 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	112 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.7 %	30.7-106								

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
208-96-8	Acenaphthylene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
120-12-7	Anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
50-32-8	Benzo(a)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
205-99-2	Benzo(b)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
218-01-9	Chrysene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
206-44-0	Fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
86-73-7	<b>Fluorene</b>	<b>0.260</b>	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
118-74-1	Hexachlorobenzene	ND	CCVE	ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
91-20-3	Naphthalene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/31/2023 08:58	08/03/2023 16:13	KH



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH
129-00-0	Pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:58	08/03/2023 16:13	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/27/2023 20:12	08/02/2023 13:39	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	87.0 %	36.6-118							

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
72-55-9	4,4'-DDE	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
319-85-7	beta-BHC	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
60-57-1	Dieldrin	ND	P	ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
33213-65-9	Endosulfan II	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ





### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 03:53	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 13:11	08/03/2023 03:53	BCJ
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
2051-24-3	Surrogate: Decachlorobiphenyl	86.3 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	49.2 %					30-150			

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 22:05	BCJ



### Sample Information

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 13:11	08/02/2023 22:05	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	50.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	63.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:22	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:22	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 16:22	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	71.2 %	30-150							

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-39-3	Barium	ND	M-CCV 1	mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-70-2	Calcium	0.0655	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-47-3	Chromium	ND	M-CCV 1	mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-48-4	Cobalt	ND	M-CCV 1	mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-50-8	Copper	ND	M-CCV 1	mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7439-89-6	Iron	ND	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7439-92-1	Lead	ND	M-CCV 1	mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7439-95-4	Magnesium	ND	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG



**Sample Information**

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:30 pm

07/26/2023

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND	M-CCV 1	mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-02-0	Nickel	ND	M-CCV 1	mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-09-7	Potassium	0.0964	M-CCV 1, B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-23-5	Sodium	0.674	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-62-2	Vanadium	ND	M-CCV 1	mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG
7440-66-6	Zinc	ND	M-CCV 1	mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:48	08/03/2023 12:48	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:52	08/03/2023 15:55	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:32	08/03/2023 08:32	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**





**Sample Information**

**Client Sample ID:** GWFB01\_072623

**York Sample ID:** 23G1540-02

<u>York Project (SDG) No.</u> 23G1540	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 3:30 pm	<u>Date Received</u> 07/26/2023
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/26/2023 16:49	07/26/2023 22:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	08/03/2023 09:30	08/03/2023 15:29	PAM
							Certifications:			

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/02/2023 14:16	08/02/2023 21:31	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



### Sample Information

**Client Sample ID:** GWTB02\_072623

**York Sample ID:** 23G1540-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:00 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG



### Sample Information

**Client Sample ID:** GWTB02\_072623

**York Sample ID:** 23G1540-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:00 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
67-64-1	<b>Acetone</b>	<b>4.44</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG



### Sample Information

**Client Sample ID:** GWTB02\_072623

**York Sample ID:** 23G1540-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:00 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
75-09-2	<b>Methylene chloride</b>	<b>0.990</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:02	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG



**Sample Information**

**Client Sample ID:** GWTB02\_072623

**York Sample ID:** 23G1540-03

York Project (SDG) No.  
23G1540

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 26, 2023 3:00 pm

Date Received  
07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:02	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 05:02	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.6 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.6 %			79-122						



### Sample Information

**Client Sample ID:** GWECFB02\_072623

**York Sample ID:** 23G1540-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:20 pm

07/26/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.480	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.358	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.726	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.695	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.429	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.838	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.531	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.766	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.899	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.756	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.705	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.807	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.235	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.899	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.930	1.95	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.97	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.337	8.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ



### Sample Information

**Client Sample ID:** GWECFB02\_072623

**York Sample ID:** 23G1540-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1540

170758101

Water

July 26, 2023 3:20 pm

07/26/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.511	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.19	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.255	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.378	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.777	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.30	8.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.715	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
919005-14-4	ADONA	ND		ng/L	0.542	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 23:33	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.950	1.98	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.879	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.07	5.11	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.49	25.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.68	25.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.08	20.4	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.61	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.08	20.4	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 23:33	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

137 %

25-150

Surrogate: M5PFHxA

153 %

25-150

Surrogate: M4PFHpA

167 %

25-150

Surrogate: M3PFHxS

147 %

25-150



**Sample Information**

**Client Sample ID:** GWECFB02\_072623

**York Sample ID:** 23G1540-04

<u>York Project (SDG) No.</u> 23G1540	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 3:20 pm	<u>Date Received</u> 07/26/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	133 %			25-150						
	Surrogate: M6PFDA	111 %			25-150						
	Surrogate: M7PFUdA	112 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	101 %			25-150						
	Surrogate: M2PFTeDA	78.9 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	1.78 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	172 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	62.6 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	153 %			10-150						
	Surrogate: d3-N-MeFOSAA	117 %			25-150						
	Surrogate: d5-N-EtFOSAA	119 %			25-150						
	Surrogate: M2-6:2 FTS	151 %			25-200						
	Surrogate: M2-8:2 FTS	127 %			25-200						
	Surrogate: M9PFNA	177 %			25-150						
	Surrogate: M2-4:2 FTS	153 %			25-150						
	Surrogate: d-N-MeFOSA	124 %			25-150						
	Surrogate: d-N-EtFOSA	74.9 %			25-150						
	Surrogate: M3HFPO-DA	151 %			25-150						
	Surrogate: d9-N-EtFOSE	70.5 %			25-150						
	Surrogate: d7-N-MeFOSE	94.9 %			25-150						



## Analytical Batch Summary

**Batch ID:** BG31519      **Preparation Method:** Analysis Preparation      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	07/26/23
23G1540-02	GWFB01_072623	07/26/23
BG31519-BLK1	Blank	07/26/23
BG31519-BS1	LCS	07/26/23
BG31519-DUP1	Duplicate	07/26/23
BG31519-MS1	Matrix Spike	07/26/23
BG31519-MSD1	Matrix Spike Dup	07/26/23

**Batch ID:** BG31612      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	07/27/23
23G1540-02	GWFB01_072623	07/27/23
BG31612-BLK1	Blank	07/27/23
BG31612-BS1	LCS	07/27/23
BG31612-MS1	Matrix Spike	07/27/23
BG31612-MSD1	Matrix Spike Dup	07/27/23

**Batch ID:** BG31688      **Preparation Method:** EPA 3510C      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	07/31/23
23G1540-02	GWFB01_072623	07/31/23
BG31688-BLK1	Blank	07/31/23
BG31688-BLK2	Blank	07/31/23
BG31688-BS1	LCS	07/31/23
BG31688-BS2	LCS	07/31/23
BG31688-MS1	Matrix Spike	07/31/23
BG31688-MSD1	Matrix Spike Dup	07/31/23

**Batch ID:** BG31763      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	07/31/23
BG31763-BLK1	Blank	07/31/23
BG31763-BS1	LCS	07/31/23
BG31763-DUP1	Duplicate	07/31/23
BG31763-MS1	Matrix Spike	07/31/23
BG31763-PS1	Post Spike	07/31/23

**Batch ID:** BG31810      **Preparation Method:** EPA 3510C      **Prepared By:** S\_S

YORK Sample ID	Client Sample ID	Preparation Date
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23G1540-01	RIMW02_072623	08/01/23
23G1540-01	RIMW02_072623	08/01/23
23G1540-02	GWFB01_072623	08/01/23
23G1540-02	GWFB01_072623	08/01/23
BG31810-BLK1	Blank	08/01/23
BG31810-BLK2	Blank	08/01/23
BG31810-BS1	LCS	08/01/23
BG31810-BS2	LCS	08/01/23
BG31810-BSD1	LCS Dup	08/01/23
BG31810-BSD2	LCS Dup	08/01/23

**Batch ID:** BG31811      **Preparation Method:** EPA 8151A      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23
23G1540-02	GWFB01_072623	08/01/23
BG31811-BLK1	Blank	08/01/23
BG31811-BLK2	Blank	08/01/23
BG31811-BS1	LCS	08/01/23
BG31811-MRL1	MRL Check	08/01/23
BG31811-MRL2	MRL Check	08/01/23
BG31811-MS1	Matrix Spike	08/01/23
BG31811-MSD1	Matrix Spike Dup	08/01/23

**Batch ID:** BH30019      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23
23G1540-02	GWFB01_072623	08/01/23
BH30019-BLK1	Blank	08/01/23
BH30019-BS1	LCS	08/01/23
BH30019-DUP1	Duplicate	08/01/23
BH30019-MS1	Matrix Spike	08/01/23
BH30019-PS1	Post Spike	08/01/23

**Batch ID:** BH30020      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23
23G1540-02	GWFB01_072623	08/01/23
BH30020-BLK1	Blank	08/01/23
BH30020-BS1	LCS	08/01/23
BH30020-DUP1	Duplicate	08/01/23
BH30020-MS1	Matrix Spike	08/01/23

**Batch ID:** BH30021      **Preparation Method:** EPA 1633 Prep      **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23



23G1540-04	GWECFB02_072623	08/01/23
BH30021-BLK1	Blank	08/01/23
BH30021-BS1	LCS	08/01/23
BH30021-BS2	LCS	08/01/23
BH30021-DUP1	Duplicate	08/01/23

**Batch ID:** BH30023      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23
BH30023-BLK1	Blank	08/01/23
BH30023-BS1	LCS	08/01/23
BH30023-DUP1	Duplicate	08/01/23
BH30023-MS1	Matrix Spike	08/01/23

**Batch ID:** BH30027      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/01/23
BH30027-BLK1	Blank	08/01/23
BH30027-BS1	LCS	08/01/23
BH30027-DUP1	Duplicate	08/01/23
BH30027-MS1	Matrix Spike	08/01/23
BH30027-MSD1	Matrix Spike Dup	08/01/23

**Batch ID:** BH30117      **Preparation Method:** Analysis Preparation      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/02/23
23G1540-02	GWFB01_072623	08/02/23
BH30117-BLK1	Blank	08/02/23
BH30117-BS1	LCS	08/02/23
BH30117-DUP1	Duplicate	08/02/23
BH30117-MS1	Matrix Spike	08/02/23
BH30117-MSD1	Matrix Spike Dup	08/02/23

**Batch ID:** BH30175      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/03/23
23G1540-02	GWFB01_072623	08/03/23
BH30175-BLK1	Blank	08/03/23
BH30175-BLK2	Blank	08/03/23
BH30175-BS1	LCS	08/03/23
BH30175-BS2	LCS	08/03/23

**Batch ID:** BH30187      **Preparation Method:** Analysis Preparation      **Prepared By:** PAM



YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/03/23
23G1540-02	GWFB01_072623	08/03/23

**Batch ID:** BH30197      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-02	GWFB01_072623	08/01/23
23G1540-03	GWTB02_072623	08/01/23
BH30197-BLK1	Blank	08/01/23
BH30197-BS1	LCS	08/01/23
BH30197-BSD1	LCS Dup	08/01/23

**Batch ID:** BH30199      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1540-01	RIMW02_072623	08/03/23
BH30199-BLK1	Blank	08/03/23
BH30199-BS1	LCS	08/03/23
BH30199-BSD1	LCS Dup	08/03/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

**Blank (BH30197-BLK1) Blank** Prepared: 08/01/2023 Analyzed: 08/02/2023

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



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

<b>Blank (BH30197-BLK1)</b>		<b>Blank</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023	
n-Butylbenzene	ND	0.500	ug/L										
n-Propylbenzene	ND	0.500	"										
o-Xylene	ND	0.500	"										
p- & m- Xylenes	ND	1.00	"										
p-Isopropyltoluene	ND	0.500	"										
sec-Butylbenzene	ND	0.500	"										
Styrene	ND	0.500	"										
tert-Butyl alcohol (TBA)	ND	1.00	"										
tert-Butylbenzene	ND	0.500	"										
Tetrachloroethylene	ND	0.500	"										
Toluene	ND	0.500	"										
trans-1,2-Dichloroethylene	ND	0.500	"										
trans-1,3-Dichloropropylene	ND	0.500	"										
Trichloroethylene	ND	0.500	"										
Trichlorofluoromethane	ND	0.500	"										
Vinyl Chloride	ND	0.500	"										
Xylenes, Total	ND	1.50	"										
<hr/>													
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130						
Surrogate: SURRE: Toluene-d8	9.72		"	10.0		97.2	81-117						
Surrogate: SURRE: p-Bromofluorobenzene	9.61		"	10.0		96.1	79-122						

<b>LCS (BH30197-BS1)</b>		<b>LCS</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023	
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126						
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136						
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165						
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123						
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129						
1,1-Dichloroethylene	10.8		"	10.0		108	68-138						
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	76-136						
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128						
1,2,4-Trichlorobenzene	8.87		"	10.0		88.7	76-137						
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132						
1,2-Dibromo-3-chloropropane	7.06		"	10.0		70.6	45-147						
1,2-Dibromoethane	8.73		"	10.0		87.3	83-124						
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123						
1,2-Dichloroethane	10.1		"	10.0		101	73-132						
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126						
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131						
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122						
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124						
1,4-Dioxane	180		"	210		85.8	10-349						
2-Butanone	8.39		"	10.0		83.9	49-152						
2-Hexanone	6.71		"	10.0		67.1	51-146						
4-Methyl-2-pentanone	6.59		"	10.0		65.9	57-145						
Acetone	8.21		"	10.0		82.1	14-150						
Acrolein	8.01		"	10.0		80.1	10-153						
Acrylonitrile	8.03		"	10.0		80.3	51-150						
Benzene	10.5		"	10.0		105	85-126						
Bromochloromethane	9.87		"	10.0		98.7	77-128						
Bromodichloromethane	8.34		"	10.0		83.4	79-128						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS (BH30197-BS1)</b>	<b>LCS</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023
Bromoform	6.94		ug/L	10.0		69.4	78-133	Low Bias			
Bromomethane	8.34		"	10.0		83.4	43-168				
Carbon disulfide	9.63		"	10.0		96.3	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.87		"	10.0		98.7	88-120				
Chloroethane	11.4		"	10.0		114	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	80-131	Low Bias			
Cyclohexane	4.82		"	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	8.37		"	10.0		83.7	80-130				
Dibromomethane	8.68		"	10.0		86.8	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	7.78		"	10.0		77.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.19		"	10.0		81.9	76-135				
Methylcyclohexane	9.31		"	10.0		93.1	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	9.92		"	10.0		99.2	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.86		"	10.0		98.6	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	21.5		"	50.0		43.0	25-162				
tert-Butylbenzene	8.62		"	10.0		86.2	77-138				
Tetrachloroethylene	9.84		"	10.0		98.4	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	7.05		"	10.0		70.5	78-131	Low Bias			
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	14.4		"	10.0		144	67-139	High Bias			
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURRE: Toluene-d8	9.65		"	10.0		96.5	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
LCS Dup (BH30197-BSD1)	LCS Dup										Prepared: 08/01/2023 Analyzed: 08/02/2023
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		0.107	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		6.08	30	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		5.11	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		1.03	30	
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129		2.46	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.48	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136		0.795	30	
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		0.875	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		1.34	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.782	30	
1,2-Dibromo-3-chloropropane	7.38		"	10.0		73.8	45-147		4.43	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.229	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.299	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		3.93	30	
1,2-Dichloropropane	9.21		"	10.0		92.1	78-126		1.20	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		1.34	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		0.696	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.304	30	
1,4-Dioxane	187		"	210		89.0	10-349		3.70	30	
2-Butanone	8.41		"	10.0		84.1	49-152		0.238	30	
2-Hexanone	6.58		"	10.0		65.8	51-146		1.96	30	
4-Methyl-2-pentanone	6.67		"	10.0		66.7	57-145		1.21	30	
Acetone	8.27		"	10.0		82.7	14-150		0.728	30	
Acrolein	8.30		"	10.0		83.0	10-153		3.56	30	
Acrylonitrile	8.16		"	10.0		81.6	51-150		1.61	30	
Benzene	10.3		"	10.0		103	85-126		1.25	30	
Bromochloromethane	9.85		"	10.0		98.5	77-128		0.203	30	
Bromodichloromethane	8.16		"	10.0		81.6	79-128		2.18	30	
Bromoform	6.91		"	10.0		69.1	78-133	Low Bias	0.433	30	
Bromomethane	8.80		"	10.0		88.0	43-168		5.37	30	
Carbon disulfide	9.40		"	10.0		94.0	68-146		2.42	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		5.83	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		0.406	30	
Chloroethane	11.2		"	10.0		112	65-136		1.78	30	
Chloroform	9.99		"	10.0		99.9	82-128		3.06	30	
Chloromethane	11.0		"	10.0		110	43-155		1.00	30	
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129		3.09	30	
cis-1,3-Dichloropropylene	7.55		"	10.0		75.5	80-131	Low Bias	0.265	30	
Cyclohexane	4.58		"	10.0		45.8	63-149	Low Bias	5.11	30	
Dibromochloromethane	8.25		"	10.0		82.5	80-130		1.44	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		0.460	30	
Dichlorodifluoromethane	14.0		"	10.0		140	44-144		4.40	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	7.40		"	10.0		74.0	67-146		5.01	30	
Isopropylbenzene	9.90		"	10.0		99.0	76-140		1.20	30	
Methyl acetate	7.88		"	10.0		78.8	51-139		2.26	30	
Methyl tert-butyl ether (MTBE)	8.26		"	10.0		82.6	76-135		0.851	30	
Methylcyclohexane	8.94		"	10.0		89.4	72-143		4.05	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		1.80	30	
n-Butylbenzene	9.70		"	10.0		97.0	79-132		2.24	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS Dup (BH30197-BSD1)</b>	<b>LCS Dup</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
n-Propylbenzene	9.76		ug/L	10.0		97.6	78-133		2.53	30	
o-Xylene	9.73		"	10.0		97.3	78-130		2.74	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		2.12	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		0.195	30	
sec-Butylbenzene	9.71		"	10.0		97.1	79-137		1.53	30	
Styrene	9.63		"	10.0		96.3	67-132		2.06	30	
tert-Butyl alcohol (TBA)	22.3		"	50.0		44.5	25-162		3.52	30	
tert-Butylbenzene	8.57		"	10.0		85.7	77-138		0.582	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		6.18	30	
Toluene	9.59		"	10.0		95.9	80-127		2.37	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		3.34	30	
trans-1,3-Dichloropropylene	6.92		"	10.0		69.2	78-131	Low Bias	1.86	30	
Trichloroethylene	9.23		"	10.0		92.3	82-128		2.67	30	
Trichlorofluoromethane	13.6		"	10.0		136	67-139		5.85	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		3.04	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.93		"	10.0		99.3	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.77		"	10.0		97.7	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.0		"	10.0		100	79-122				

<b>Batch BH30199 - EPA 5030B</b>											
<b>Blank (BH30199-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 08/03/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30199 - EPA 5030B**

**Blank (BH30199-BLK1) Blank** Prepared & Analyzed: 08/03/2023

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	8.73		"	10.0		87.3	69-130				
Surrogate: SURRE: Toluene-d8	9.68		"	10.0		96.8	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
<b>Batch BH30199 - EPA 5030B</b>												
<b>LCS (BH30199-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 08/03/2023										
1,1,1,2-Tetrachloroethane	8.85		ug/L	10.0		88.5	82-126					
1,1,1-Trichloroethane	8.81		"	10.0		88.1	78-136					
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165					
1,1,2-Trichloroethane	8.66		"	10.0		86.6	82-123					
1,1-Dichloroethane	9.37		"	10.0		93.7	82-129					
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138					
1,2,3-Trichlorobenzene	8.18		"	10.0		81.8	76-136					
1,2,3-Trichloropropane	9.44		"	10.0		94.4	77-128					
1,2,4-Trichlorobenzene	8.65		"	10.0		86.5	76-137					
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132					
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	45-147					
1,2-Dibromoethane	8.63		"	10.0		86.3	83-124					
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123					
1,2-Dichloroethane	8.65		"	10.0		86.5	73-132					
1,2-Dichloropropane	9.37		"	10.0		93.7	78-126					
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131					
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122					
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124					
1,4-Dioxane	195		"	210		93.1	10-349					
2-Butanone	9.00		"	10.0		90.0	49-152					
2-Hexanone	6.65		"	10.0		66.5	51-146					
4-Methyl-2-pentanone	6.69		"	10.0		66.9	57-145					
Acetone	6.78		"	10.0		67.8	14-150					
Acrolein	9.08		"	10.0		90.8	10-153					
Acrylonitrile	8.19		"	10.0		81.9	51-150					
Benzene	10.5		"	10.0		105	85-126					
Bromochloromethane	9.44		"	10.0		94.4	77-128					
Bromodichloromethane	7.58		"	10.0		75.8	79-128		Low Bias			
Bromoform	6.52		"	10.0		65.2	78-133		Low Bias			
Bromomethane	12.8		"	10.0		128	43-168					
Carbon disulfide	9.07		"	10.0		90.7	68-146					
Carbon tetrachloride	9.12		"	10.0		91.2	77-141					
Chlorobenzene	9.73		"	10.0		97.3	88-120					
Chloroethane	10.7		"	10.0		107	65-136					
Chloroform	9.39		"	10.0		93.9	82-128					
Chloromethane	10.7		"	10.0		107	43-155					
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	83-129					
cis-1,3-Dichloropropylene	8.16		"	10.0		81.6	80-131					
Cyclohexane	4.82		"	10.0		48.2	63-149		Low Bias			
Dibromochloromethane	7.72		"	10.0		77.2	80-130		Low Bias			
Dibromomethane	8.42		"	10.0		84.2	72-134					
Dichlorodifluoromethane	9.82		"	10.0		98.2	44-144					
Ethyl Benzene	9.99		"	10.0		99.9	80-131					
Hexachlorobutadiene	6.22		"	10.0		62.2	67-146		Low Bias			
Isopropylbenzene	10.8		"	10.0		108	76-140					
Methyl acetate	8.66		"	10.0		86.6	51-139					
Methyl tert-butyl ether (MTBE)	7.88		"	10.0		78.8	76-135					
Methylcyclohexane	9.41		"	10.0		94.1	72-143					
Methylene chloride	9.39		"	10.0		93.9	55-137					
n-Butylbenzene	9.74		"	10.0		97.4	79-132					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30199 - EPA 5030B</b>												
<b>LCS (BH30199-BS1)</b>	<b>LCS</b>						Prepared & Analyzed: 08/03/2023					
n-Propylbenzene	10.6		ug/L	10.0		106	78-133					
o-Xylene	9.51		"	10.0		95.1	78-130					
p- & m- Xylenes	19.6		"	20.0		98.0	77-133					
p-Isopropyltoluene	10.6		"	10.0		106	81-136					
sec-Butylbenzene	10.2		"	10.0		102	79-137					
Styrene	9.55		"	10.0		95.5	67-132					
tert-Butyl alcohol (TBA)	24.5		"	50.0		48.9	25-162					
tert-Butylbenzene	8.94		"	10.0		89.4	77-138					
Tetrachloroethylene	9.56		"	10.0		95.6	82-131					
Toluene	9.81		"	10.0		98.1	80-127					
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132					
trans-1,3-Dichloropropylene	7.46		"	10.0		74.6	78-131	Low Bias				
Trichloroethylene	9.00		"	10.0		90.0	82-128					
Trichlorofluoromethane	11.0		"	10.0		110	67-139					
Vinyl Chloride	10.7		"	10.0		107	58-145					
Surrogate: SURR: 1,2-Dichloroethane-d4	8.59		"	10.0		85.9	69-130					
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117					
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122					
<b>LCS Dup (BH30199-BSD1)</b>	<b>LCS Dup</b>						Prepared & Analyzed: 08/03/2023					
1,1,1,2-Tetrachloroethane	8.63		ug/L	10.0		86.3	82-126		2.52		30	
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136		1.60		30	
1,1,2,2-Tetrachloroethane	8.97		"	10.0		89.7	76-129		6.79		30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		1.64		30	
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123		2.93		30	
1,1-Dichloroethane	9.36		"	10.0		93.6	82-129		0.107		30	
1,1-Dichloroethylene	9.58		"	10.0		95.8	68-138		2.07		30	
1,2,3-Trichlorobenzene	8.09		"	10.0		80.9	76-136		1.11		30	
1,2,3-Trichloropropane	8.63		"	10.0		86.3	77-128		8.97		30	
1,2,4-Trichlorobenzene	8.56		"	10.0		85.6	76-137		1.05		30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		4.03		30	
1,2-Dibromo-3-chloropropane	6.56		"	10.0		65.6	45-147		5.92		30	
1,2-Dibromoethane	8.33		"	10.0		83.3	83-124		3.54		30	
1,2-Dichlorobenzene	9.88		"	10.0		98.8	79-123		4.36		30	
1,2-Dichloroethane	8.45		"	10.0		84.5	73-132		2.34		30	
1,2-Dichloropropane	9.17		"	10.0		91.7	78-126		2.16		30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		3.55		30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		3.63		30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		3.17		30	
1,4-Dioxane	203		"	210		96.7	10-349		3.83		30	
2-Butanone	8.79		"	10.0		87.9	49-152		2.36		30	
2-Hexanone	6.57		"	10.0		65.7	51-146		1.21		30	
4-Methyl-2-pentanone	6.53		"	10.0		65.3	57-145		2.42		30	
Acetone	6.37		"	10.0		63.7	14-150		6.24		30	
Acrolein	9.19		"	10.0		91.9	10-153		1.20		30	
Acrylonitrile	8.38		"	10.0		83.8	51-150		2.29		30	
Benzene	10.5		"	10.0		105	85-126		0.286		30	
Bromochloromethane	9.21		"	10.0		92.1	77-128		2.47		30	
Bromodichloromethane	7.45		"	10.0		74.5	79-128	Low Bias	1.73		30	
Bromoform	6.36		"	10.0		63.6	78-133	Low Bias	2.48		30	
Bromomethane	13.0		"	10.0		130	43-168		1.70		30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30199 - EPA 5030B</b>											
<b>LCS Dup (BH30199-bsd1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 08/03/2023		
Carbon disulfide	9.05		ug/L	10.0		90.5	68-146		0.221	30	
Carbon tetrachloride	8.87		"	10.0		88.7	77-141		2.78	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.03	30	
Chloroethane	10.6		"	10.0		106	65-136		1.50	30	
Chloroform	9.23		"	10.0		92.3	82-128		1.72	30	
Chloromethane	10.6		"	10.0		106	43-155		1.50	30	
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	83-129		1.55	30	
cis-1,3-Dichloropropylene	8.02		"	10.0		80.2	80-131		1.73	30	
Cyclohexane	4.68		"	10.0		46.8	63-149	Low Bias	2.95	30	
Dibromochloromethane	7.53		"	10.0		75.3	80-130	Low Bias	2.49	30	
Dibromomethane	8.14		"	10.0		81.4	72-134		3.38	30	
Dichlorodifluoromethane	9.43		"	10.0		94.3	44-144		4.05	30	
Ethyl Benzene	9.77		"	10.0		97.7	80-131		2.23	30	
Hexachlorobutadiene	6.43		"	10.0		64.3	67-146	Low Bias	3.32	30	
Isopropylbenzene	10.1		"	10.0		101	76-140		6.33	30	
Methyl acetate	8.72		"	10.0		87.2	51-139		0.690	30	
Methyl tert-butyl ether (MTBE)	7.88		"	10.0		78.8	76-135		0.00	30	
Methylcyclohexane	9.25		"	10.0		92.5	72-143		1.71	30	
Methylene chloride	9.19		"	10.0		91.9	55-137		2.15	30	
n-Butylbenzene	9.55		"	10.0		95.5	79-132		1.97	30	
n-Propylbenzene	10.0		"	10.0		100	78-133		5.80	30	
o-Xylene	9.37		"	10.0		93.7	78-130		1.48	30	
p- & m- Xylenes	19.4		"	20.0		96.8	77-133		1.13	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.36	30	
sec-Butylbenzene	9.76		"	10.0		97.6	79-137		3.92	30	
Styrene	9.56		"	10.0		95.6	67-132		0.105	30	
tert-Butyl alcohol (TBA)	23.3		"	50.0		46.6	25-162		4.94	30	
tert-Butylbenzene	8.55		"	10.0		85.5	77-138		4.46	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		3.30	30	
Toluene	9.56		"	10.0		95.6	80-127		2.58	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		0.613	30	
trans-1,3-Dichloropropylene	7.17		"	10.0		71.7	78-131	Low Bias	3.96	30	
Trichloroethylene	8.92		"	10.0		89.2	82-128		0.893	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		2.94	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		1.03	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>8.89</i>		<i>"</i>	<i>10.0</i>		<i>88.9</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31688 - EPA 3510C

Blank (BG31688-BLK1) Blank

Prepared: 07/31/2023 Analyzed: 08/01/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31688 - EPA 3510C**

**Blank (BG31688-BLK1) Blank** Prepared: 07/31/2023 Analyzed: 08/01/2023

Surrogate: SURR: 2-Fluorophenol	15.6		ug/L	50.0		31.1	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.11		"	50.0		14.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.3		"	25.0		81.1	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.4		"	25.0		77.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	58.6		"	50.0		117	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.0		"	25.0		92.1	30.7-106				

**Blank (BG31688-BLK2) Blank** Prepared: 07/31/2023 Analyzed: 08/02/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31688 - EPA 3510C</b>											
<b>LCS (BG31688-BS1)</b>	<b>LCS</b>	Prepared: 07/31/2023 Analyzed: 08/01/2023									
1,1-Biphenyl	14.4	5.00	ug/L	25.0		57.8	33-95				
1,2,4,5-Tetrachlorobenzene	20.9	5.00	"	25.0		83.7	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	12.5	5.00	"	25.0		50.1	16-141				
2,3,4,6-Tetrachlorophenol	18.9	5.00	"	25.0		75.5	30-130				
2,4,5-Trichlorophenol	18.5	5.00	"	25.0		74.0	32-114				
2,4,6-Trichlorophenol	16.0	5.00	"	25.0		63.9	35-118				
2,4-Dichlorophenol	17.9	5.00	"	25.0		71.7	25-116				
2,4-Dimethylphenol	11.5	5.00	"	25.0		46.0	15-116				
2,4-Dinitrophenol	25.6	5.00	"	25.0		103	10-170				
2,4-Dinitrotoluene	20.6	5.00	"	25.0		82.6	41-128				
2,6-Dinitrotoluene	19.9	5.00	"	25.0		79.6	45-116				
2-Chloronaphthalene	14.3	5.00	"	25.0		57.3	33-112				
2-Chlorophenol	13.2	5.00	"	25.0		52.6	15-120				
2-Methylnaphthalene	15.8	5.00	"	25.0		63.1	24-118				
2-Methylphenol	10.3	5.00	"	25.0		41.3	10-110				
2-Nitroaniline	16.6	5.00	"	25.0		66.5	34-129				
2-Nitrophenol	19.2	5.00	"	25.0		77.0	28-118				
3- & 4-Methylphenols	7.99	5.00	"	25.0		32.0	10-107				
3,3-Dichlorobenzidine	11.8	5.00	"	25.0		47.4	15-187				
3-Nitroaniline	13.8	5.00	"	25.0		55.0	24-134				
4,6-Dinitro-2-methylphenol	30.2	5.00	"	25.0		121	10-153				
4-Bromophenyl phenyl ether	16.7	5.00	"	25.0		66.6	34-120				
4-Chloro-3-methylphenol	16.6	5.00	"	25.0		66.2	20-120				
4-Chloroaniline	11.2	5.00	"	25.0		44.9	10-147				
4-Chlorophenyl phenyl ether	16.2	5.00	"	25.0		64.7	27-121				
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias			
4-Nitrophenol	22.0	5.00	"	25.0		88.2	10-131				
Acetophenone	14.3	5.00	"	25.0		57.2	25-110				
Aniline	4.70	5.00	"	25.0		18.8	10-117				
Benzaldehyde	13.4	5.00	"	25.0		53.5	29-117				
Benzoic acid	3.61	5.00	"	25.0		14.4	30-130	Low Bias			
Benzyl alcohol	7.86	5.00	"	25.0		31.4	10-117				
Benzyl butyl phthalate	14.3	5.00	"	25.0		57.1	29-133				
Bis(2-chloroethoxy)methane	15.5	5.00	"	25.0		61.9	10-154				
Bis(2-chloroethyl)ether	13.3	5.00	"	25.0		53.3	17-125				
Bis(2-chloroisopropyl)ether	11.2	5.00	"	25.0		44.7	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	14.7	5.00	"	25.0		58.6	42-126				
Dibenzofuran	15.4	5.00	"	25.0		61.7	36-113				
Diethyl phthalate	15.8	5.00	"	25.0		63.1	38-115				
Dimethyl phthalate	16.0	5.00	"	25.0		64.0	38-129				
Di-n-butyl phthalate	14.6	5.00	"	25.0		58.6	31-120				
Di-n-octyl phthalate	14.7	5.00	"	25.0		58.9	21-149				
Diphenylamine	17.1	5.00	"	25.0		68.2	40-140				
Hexachlorocyclopentadiene	7.57	10.0	"	25.0		30.3	10-130				
Isophorone	15.2	5.00	"	25.0		60.7	25-127				
N-nitroso-di-n-propylamine	12.7	5.00	"	25.0		50.8	26-122				
N-Nitrosodiphenylamine	16.2	5.00	"	25.0		65.0	23-149				
Phenol	3.99	5.00	"	25.0		16.0	10-110				
Pyridine	4.53	5.00	"	25.5		17.8	10-90				
Surrogate: SURR: 2-Fluorophenol	17.6		"	50.0		35.1	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31688 - EPA 3510C

LCS (BG31688-BS1) LCS Prepared: 07/31/2023 Analyzed: 08/01/2023

Surrogate: SURR: Phenol-d6	9.16		ug/L	50.0		18.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.4		"	25.0		81.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.1		"	25.0		80.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	60.7		"	50.0		121	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.5		"	25.0		90.1	30.7-106				

LCS (BG31688-BS2) LCS Prepared: 07/31/2023 Analyzed: 08/02/2023

Acenaphthene	0.580	0.0500	ug/L	1.00		58.0	25-116				
Acenaphthylene	0.570	0.0500	"	1.00		57.0	26-116				
Anthracene	0.570	0.0500	"	1.00		57.0	25-123				
Benzo(a)anthracene	0.630	0.0500	"	1.00		63.0	33-125				
Benzo(a)pyrene	0.590	0.0500	"	1.00		59.0	32-132				
Benzo(b)fluoranthene	0.670	0.0500	"	1.00		67.0	22-137				
Benzo(g,h,i)perylene	0.690	0.0500	"	1.00		69.0	10-138				
Benzo(k)fluoranthene	0.760	0.0500	"	1.00		76.0	20-137				
Bis(2-ethylhexyl)phthalate	0.940	0.500	"	1.00		94.0	10-189				
Chrysene	0.690	0.0500	"	1.00		69.0	32-124				
Dibenzo(a,h)anthracene	0.710	0.0500	"	1.00		71.0	16-133				
Fluoranthene	0.580	0.0500	"	1.00		58.0	32-121				
Fluorene	0.600	0.0500	"	1.00		60.0	28-118				
Hexachlorobenzene	0.510	0.0200	"	1.00		51.0	23-124				
Hexachlorobutadiene	0.710	0.500	"	1.00		71.0	15-123				
Hexachloroethane	2.98	0.500	"	1.00		298	18-115				High Bias
Indeno(1,2,3-cd)pyrene	0.700	0.0500	"	1.00		70.0	15-135				
Naphthalene	0.710	0.0500	"	1.00		71.0	18-120				
Nitrobenzene	0.700	0.250	"	1.00		70.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124				Low Bias
Pentachlorophenol	0.880	0.250	"	1.00		88.0	10-156				
Phenanthrene	0.610	0.0500	"	1.00		61.0	24-127				
Pyrene	0.630	0.0500	"	1.00		63.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31688 - EPA 3510C</b>												
<b>Matrix Spike (BG31688-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1416-01 (Matrix Spike)						Prepared: 07/31/2023 Analyzed: 08/02/2023				
1,1-Biphenyl	14.5	5.26	ug/L	26.3	ND	55.0	26-79					
1,2,4,5-Tetrachlorobenzene	21.9	5.26	"	26.3	ND	83.2	33-90					
1,2-Diphenylhydrazine (as Azobenzene)	11.9	5.26	"	26.3	ND	45.4	21-107					
2,3,4,6-Tetrachlorophenol	20.0	5.26	"	26.3	ND	76.0	30-130					
2,4,5-Trichlorophenol	18.5	5.26	"	26.3	ND	70.2	43-96					
2,4,6-Trichlorophenol	16.2	5.26	"	26.3	ND	61.4	46-94					
2,4-Dichlorophenol	18.1	5.26	"	26.3	ND	68.8	26-101					
2,4-Dimethylphenol	3.04	5.26	"	26.3	ND	11.6	10-104					
2,4-Dinitrophenol	33.3	5.26	"	26.3	ND	127	10-146					
2,4-Dinitrotoluene	20.5	5.26	"	26.3	ND	78.0	30-108					
2,6-Dinitrotoluene	19.0	5.26	"	26.3	ND	72.2	38-98					
2-Chloronaphthalene	14.7	5.26	"	26.3	ND	56.0	30-89					
2-Chlorophenol	13.0	5.26	"	26.3	ND	49.4	24-98					
2-Methylnaphthalene	16.9	5.26	"	26.3	ND	64.3	10-112					
2-Methylphenol	8.84	5.26	"	26.3	ND	33.6	10-134					
2-Nitroaniline	ND	5.26	"	26.3	ND		25-110	Low Bias				
2-Nitrophenol	20.0	5.26	"	26.3	ND	76.1	10-139					
3- & 4-Methylphenols	ND	5.26	"	26.3	ND		10-91	Low Bias				
3,3-Dichlorobenzidine	ND	5.26	"	26.3	ND		10-140	Low Bias				
3-Nitroaniline	ND	5.26	"	26.3	ND		22-111	Low Bias				
4,6-Dinitro-2-methylphenol	33.9	5.26	"	26.3	ND	129	10-140					
4-Bromophenyl phenyl ether	16.4	5.26	"	26.3	ND	62.4	30-108					
4-Chloro-3-methylphenol	15.8	5.26	"	26.3	ND	60.0	11-109					
4-Chloroaniline	5.02	5.26	"	26.3	ND	19.1	10-116					
4-Chlorophenyl phenyl ether	16.8	5.26	"	26.3	ND	63.7	39-85					
4-Nitroaniline	ND	5.26	"	26.3	ND		11-132	Low Bias				
4-Nitrophenol	ND	5.26	"	26.3	ND		10-82	Low Bias				
Acetophenone	14.2	5.26	"	26.3	ND	53.8	14-102					
Aniline	9.03	5.26	"	26.3	ND	34.3	10-80					
Benzaldehyde	15.1	5.26	"	26.3	ND	57.2	13-87					
Benzoic acid	4.74	5.26	"	26.3	ND	18.0	10-162					
Benzyl alcohol	7.95	5.26	"	26.3	ND	30.2	10-102					
Benzyl butyl phthalate	17.4	5.26	"	26.3	ND	66.0	10-133					
Bis(2-chloroethoxy)methane	15.6	5.26	"	26.3	ND	59.4	18-105					
Bis(2-chloroethyl)ether	13.3	5.26	"	26.3	ND	50.5	10-108					
Bis(2-chloroisopropyl)ether	11.4	5.26	"	26.3	ND	43.3	13-116					
Caprolactam	2.67	5.26	"	26.3	ND	10.2	10-75					
Carbazole	16.2	5.26	"	26.3	ND	61.5	36-108					
Dibenzofuran	15.7	5.26	"	26.3	ND	59.8	34-92					
Diethyl phthalate	16.0	5.26	"	26.3	ND	60.9	33-98					
Dimethyl phthalate	16.0	5.26	"	26.3	ND	60.9	18-116					
Di-n-butyl phthalate	16.8	5.26	"	26.3	ND	63.8	25-97					
Di-n-octyl phthalate	17.4	5.26	"	26.3	ND	66.0	10-137					
Diphenylamine	16.8	5.26	"	26.3	ND	63.7	40-140					
Hexachlorocyclopentadiene	9.99	10.5	"	26.3	ND	38.0	10-79					
Isophorone	15.3	5.26	"	26.3	ND	58.0	25-103					
N-nitroso-di-n-propylamine	13.1	5.26	"	26.3	ND	49.6	19-115					
N-Nitrosodiphenylamine	16.5	5.26	"	26.3	ND	62.9	31-112					
Phenol	4.03	5.26	"	26.3	ND	15.3	10-61					
Pyridine	5.36	5.26	"	26.8	ND	20.0	10-78					
Surrogate: SURR: 2-Fluorophenol	19.3		"	52.6		36.8	19.7-63.1					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31688 - EPA 3510C

Matrix Spike (BG31688-MS1) Matrix Spike \*Source sample: 23G1416-01 (Matrix Spike) Prepared: 07/31/2023 Analyzed: 08/02/2023

Surrogate: SURR: Phenol-d6	9.78		ug/L	52.6		18.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.0		"	26.3		87.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	22.4		"	26.3		85.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	66.9		"	52.6		127	39.3-151				
Surrogate: SURR: Terphenyl-d14	27.6		"	26.3		105	30.7-106				

Matrix Spike Dup (BG31688-1) Matrix Spike Dup \*Source sample: 23G1416-01 (Matrix Spike Dup) Prepared: 07/31/2023 Analyzed: 08/02/2023

1,1-Biphenyl	13.8	5.00	ug/L	25.0	ND	55.2	26-79		4.84	25	
1,2,4,5-Tetrachlorobenzene	19.8	5.00	"	25.0	ND	79.4	33-90		9.85	25	
1,2-Diphenylhydrazine (as Azobenzene)	11.1	5.00	"	25.0	ND	44.4	21-107		7.44	25	
2,3,4,6-Tetrachlorophenol	17.6	5.00	"	25.0	ND	70.4	30-130		12.8	25	
2,4,5-Trichlorophenol	16.8	5.00	"	25.0	ND	67.1	43-96		9.72	25	
2,4,6-Trichlorophenol	14.8	5.00	"	25.0	ND	59.0	46-94		9.11	25	
2,4-Dichlorophenol	16.2	5.00	"	25.0	ND	64.8	26-101		11.2	25	
2,4-Dimethylphenol	4.64	5.00	"	25.0	ND	18.6	10-104		41.6	25	Non-dir.
2,4-Dinitrophenol	30.3	5.00	"	25.0	ND	121	10-146		9.52	25	
2,4-Dinitrotoluene	18.8	5.00	"	25.0	ND	75.2	30-108		8.73	25	
2,6-Dinitrotoluene	17.6	5.00	"	25.0	ND	70.5	38-98		7.48	25	
2-Chloronaphthalene	13.5	5.00	"	25.0	ND	54.0	30-89		8.76	25	
2-Chlorophenol	11.1	5.00	"	25.0	ND	44.5	24-98		15.6	25	
2-Methylnaphthalene	15.2	5.00	"	25.0	ND	60.7	10-112		10.9	25	
2-Methylphenol	8.00	5.00	"	25.0	ND	32.0	10-134		10.0	25	
2-Nitroaniline	ND	5.00	"	25.0	ND		25-110	Low Bias		25	
2-Nitrophenol	18.1	5.00	"	25.0	ND	72.4	10-139		10.1	25	
3- & 4-Methylphenols	6.48	5.00	"	25.0	ND	25.9	10-91			25	
3,3-Dichlorobenzidine	ND	5.00	"	25.0	ND		10-140	Low Bias		25	
3-Nitroaniline	ND	5.00	"	25.0	ND		22-111	Low Bias		25	
4,6-Dinitro-2-methylphenol	28.4	5.00	"	25.0	ND	114	10-140		17.5	25	
4-Bromophenyl phenyl ether	15.4	5.00	"	25.0	ND	61.8	30-108		6.09	25	
4-Chloro-3-methylphenol	14.3	5.00	"	25.0	ND	57.0	11-109		10.2	25	
4-Chloroaniline	4.34	5.00	"	25.0	ND	17.4	10-116		14.6	25	
4-Chlorophenyl phenyl ether	15.2	5.00	"	25.0	ND	61.0	39-85		9.48	25	
4-Nitroaniline	ND	5.00	"	25.0	ND		11-132	Low Bias		25	
4-Nitrophenol	ND	5.00	"	25.0	ND		10-82	Low Bias		25	
Acetophenone	13.1	5.00	"	25.0	ND	52.4	14-102		7.76	25	
Aniline	8.16	5.00	"	25.0	ND	32.6	10-80		10.1	25	
Benzaldehyde	13.1	5.00	"	25.0	ND	52.4	13-87		13.9	25	
Benzoic acid	4.16	5.00	"	25.0	ND	16.6	10-162		13.0	25	
Benzyl alcohol	6.58	5.00	"	25.0	ND	26.3	10-102		18.8	25	
Benzyl butyl phthalate	14.5	5.00	"	25.0	ND	58.2	10-133		17.8	25	
Bis(2-chloroethoxy)methane	14.1	5.00	"	25.0	ND	56.2	18-105		10.7	25	
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0	ND	48.0	10-108		10.2	25	
Bis(2-chloroisopropyl)ether	10.0	5.00	"	25.0	ND	40.0	13-116		13.1	25	
Caprolactam	ND	5.00	"	25.0	ND		10-75	Low Bias		25	
Carbazole	13.4	5.00	"	25.0	ND	53.7	36-108		18.6	25	
Dibenzofuran	14.5	5.00	"	25.0	ND	58.0	34-92		8.18	25	
Diethyl phthalate	14.9	5.00	"	25.0	ND	59.7	33-98		7.12	25	
Dimethyl phthalate	14.6	5.00	"	25.0	ND	58.5	18-116		9.14	25	
Di-n-butyl phthalate	14.2	5.00	"	25.0	ND	56.6	25-97		17.1	25	
Di-n-octyl phthalate	14.3	5.00	"	25.0	ND	57.1	10-137		19.6	25	
Diphenylamine	15.1	5.00	"	25.0	ND	60.4	40-140		10.5	25	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31688 - EPA 3510C

Matrix Spike Dup (BG31688-1)	Matrix Spike Dup	Source sample: 23G1416-01 (Matrix Spike Dup)	Prepared: 07/31/2023	Analyzed: 08/02/2023							
Hexachlorocyclopentadiene	8.73	10.0	ug/L	25.0	ND	34.9	10-79		13.5	25	
Isophorone	13.9	5.00	"	25.0	ND	55.6	25-103		9.21	25	
N-nitroso-di-n-propylamine	11.6	5.00	"	25.0	ND	46.5	19-115		11.7	25	
N-Nitrosodiphenylamine	14.9	5.00	"	25.0	ND	59.4	31-112		10.7	25	
Phenol	3.30	5.00	"	25.0	ND	13.2	10-61		20.0	25	
Pyridine	3.96	5.00	"	25.5	ND	15.5	10-78		30.0	25	Non-dir.
Surrogate: SURR: 2-Fluorophenol	15.7		"	50.0		31.3	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.99		"	50.0		16.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.2		"	25.0		80.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.6		"	25.0		78.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	58.5		"	50.0		117	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.4		"	25.0		89.6	30.7-106				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31612 - EPA 3535A</b>												
<b>Blank (BG31612-BLK1)</b>	Blank								Prepared: 07/27/2023 Analyzed: 08/02/2023			
1,4-Dioxane	ND	0.300	ug/L									
Surrogate: 1,4-Dioxane-d8	3.31		"	4.00		82.8	36.6-118					
<b>LCS (BG31612-BS1)</b>	LCS								Prepared: 07/27/2023 Analyzed: 08/02/2023			
1,4-Dioxane	3.78	0.300	ug/L	4.00		94.4	50-130					
Surrogate: 1,4-Dioxane-d8	3.54		"	4.00		88.6	36.6-118					
<b>Matrix Spike (BG31612-MS1)</b>	Matrix Spike	*Source sample: 23G1455-04 (Matrix Spike)								Prepared: 07/27/2023 Analyzed: 08/02/2023		
1,4-Dioxane	3.94	0.300	ug/L	4.00	ND	98.4	50-130					
Surrogate: 1,4-Dioxane-d8	3.58		"	4.00		89.4	50-130					
<b>Matrix Spike Dup (BG31612-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1455-04 (Matrix Spike Dup)								Prepared: 07/27/2023 Analyzed: 08/02/2023		
1,4-Dioxane	4.08	0.300	ug/L	4.00	ND	102	50-130		3.59	30		
Surrogate: 1,4-Dioxane-d8	3.32		"	4.00		83.1	50-130					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

Blank (BH30021-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	79.2		"	46.6		170	25-150				
Surrogate: M5PFHxA	83.8		"	50.0		168	25-150				
Surrogate: M4PFHpA	83.3		"	50.0		167	25-150				
Surrogate: M3PFHxS	79.6		"	47.4		168	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	50.0		167	25-150				
Surrogate: M6PFDA	30.6		"	25.0		122	25-150				
Surrogate: M7PFUdA	32.9		"	25.0		132	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.9		"	25.0		103	25-150				
Surrogate: M2PFTeDA	24.2		"	25.0		96.7	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30021 - EPA 1633 Prep</b>											
<b>Blank (BH30021-BLK1)</b>		<b>Blank</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	38.5		ng/L	200		19.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	66.5		"	47.9		139	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	183		"	100		183	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	81.8		"	50.0		164	10-150				
Surrogate: d3-N-MeFOSAA	139		"	100		139	25-150				
Surrogate: d5-N-EtFOSAA	121		"	100		121	25-150				
Surrogate: M2-6:2 FTS	180		"	95.1		189	25-200				
Surrogate: M2-8:2 FTS	192		"	96.0		200	25-200				
Surrogate: M9PFNA	55.4		"	25.0		222	25-150				
Surrogate: M2-4:2 FTS	167		"	93.8		178	25-150				
Surrogate: d-N-MeFOSA	33.6		"	50.0		67.3	25-150				
Surrogate: d-N-EtFOSA	23.3		"	50.0		46.7	25-150				
Surrogate: M3HFPO-DA	343		"	200		171	25-150				
Surrogate: d9-N-EtFOSE	339		"	500		67.8	25-150				
Surrogate: d7-N-MeFOSE	451		"	500		90.3	25-150				
<b>LCS (BH30021-BS1)</b>		<b>LCS</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
Perfluorobutanesulfonic acid (PFBS)	148	3.54	ng/L	70.8		210	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	171	4.00	"	80.0		214	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	141	4.00	"	80.0		176	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	162	3.66	"	73.2		221	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	149	4.00	"	80.0		186	50-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	124	3.72	"	74.4		167	50-150	High Bias			
Perfluorononanoic acid (PFNA)	121	4.00	"	80.0		152	50-150	High Bias			
Perfluorodecanoic acid (PFDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	190	4.00	"	80.0		238	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	144	4.00	"	80.0		180	50-150	High Bias			
Perfluorotridecanoic acid (PFTrDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	164	4.00	"	80.0		206	50-150	High Bias			
N-MeFOSAA	167	4.00	"	80.0		209	50-150	High Bias			
N-EtFOSAA	140	4.00	"	80.0		175	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	324	8.00	"	160		202	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	168	4.00	"	80.0		210	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	139	3.82	"	76.4		183	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	146	3.86	"	77.2		190	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	670	15.2	"	304		221	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	722	15.4	"	307		235	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	610	16.0	"	320		191	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	209	7.12	"	142		147	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	205	8.00	"	160		128	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	126	8.00	"	160		78.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	220	8.00	"	160		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	158	3.76	"	75.2		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	717	15.0	"	300		239	50-150	High Bias			
HFPO-DA (Gen-X)	213	16.0	"	160		133	50-150				
11CL-PF3OUdS	173	15.1	"	151		114	50-150				
9CL-PF3ONS	177	15.0	"	150		118	50-150				
ADONA	201	15.1	"	151		133	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30021 - EPA 1633 Prep**

LCS (BH30021-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorododecanesulfonic acid (PFDoS)	84.1	3.88	ng/L	77.6		108	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	126	3.84	"	76.8		165	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2230	10.0	"	320		698	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2780	50.0	"	1600		174	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	525	50.0	"	1600		32.8	50-150	Low Bias			
N-MeFOSE	1120	40.0	"	800		139	50-150				
N-MeFOSA	157	4.00	"	80.0		196	50-150	High Bias			
N-EtFOSE	1300	40.0	"	800		162	50-150	High Bias			
N-EtFOSA	127	4.00	"	80.0		159	50-150	High Bias			
Surrogate: M3PFBS	96.8		"	46.6		208	25-150				
Surrogate: M5PFHxA	92.7		"	50.0		185	25-150				
Surrogate: M4PFHpA	85.4		"	50.0		171	25-150				
Surrogate: M3PFHxS	94.6		"	47.4		200	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.5		"	50.0		161	25-150				
Surrogate: M6PFDA	32.7		"	25.0		131	25-150				
Surrogate: M7PFUdA	32.6		"	25.0		131	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.6		"	25.0		138	25-150				
Surrogate: M2PFTeDA	24.3		"	25.0		97.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	43.6		"	200		21.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.7		"	47.9		198	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	185		"	100		185	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	89.9		"	50.0		180	10-150				
Surrogate: d3-N-MeFOSAA	157		"	100		157	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	249		"	95.1		262	25-200				
Surrogate: M2-8:2 FTS	241		"	96.0		252	25-200				
Surrogate: M9PFNA	37.9		"	25.0		152	25-150				
Surrogate: M2-4:2 FTS	242		"	93.8		258	25-150				
Surrogate: d-N-MeFOSA	47.4		"	50.0		94.9	25-150				
Surrogate: d-N-EtFOSA	36.9		"	50.0		73.9	25-150				
Surrogate: M3HFPO-DA	358		"	200		179	25-150				
Surrogate: d9-N-EtFOSE	457		"	500		91.4	25-150				
Surrogate: d7-N-MeFOSE	592		"	500		118	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30021 - EPA 1633 Prep</b>											
<b>LCS (BH30021-BS2)</b>	<b>LCS</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorobutanesulfonic acid (PFBS)	17.4	3.54	ng/L	14.2		123	50-150				
Perfluorohexanoic acid (PFHxA)	21.9	4.00	"	16.0		137	50-150				
Perfluoroheptanoic acid (PFHpA)	16.0	4.00	"	16.0		99.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	22.5	3.66	"	14.6		154	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	18.4	4.00	"	16.0		115	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.9	3.72	"	14.9		100	50-150				
Perfluorononanoic acid (PFNA)	19.3	4.00	"	16.0		121	50-150				
Perfluorodecanoic acid (PFDA)	18.8	4.00	"	16.0		117	50-150				
Perfluoroundecanoic acid (PFUnA)	27.5	4.00	"	16.0		172	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.7	4.00	"	16.0		135	50-150				
Perfluorotridecanoic acid (PFTriDA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotetradecanoic acid (PFTA)	22.6	4.00	"	16.0		142	50-150				
N-MeFOSAA	20.8	4.00	"	16.0		130	50-150				
N-EtFOSAA	20.0	4.00	"	16.0		125	50-150				
Perfluoropentanoic acid (PFPeA)	41.4	8.00	"	32.0		129	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	22.7	4.00	"	16.0		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	16.0	3.82	"	15.3		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	23.7	3.86	"	15.4		154	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	102	15.2	"	60.8		169	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	101	15.4	"	61.4		164	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	81.4	16.0	"	64.0		127	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.2	7.12	"	28.5		95.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	26.9	8.00	"	32.0		84.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	23.9	8.00	"	32.0		74.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	27.0	8.00	"	32.0		84.4	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	21.7	3.76	"	15.0		145	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	94.1	15.0	"	60.0		157	50-150	High Bias			
HFPO-DA (Gen-X)	20.2	16.0	"	32.0		63.3	50-150				
11CL-PF3OUdS	28.6	15.1	"	30.2		94.7	50-150				
9CL-PF3ONS	27.6	15.0	"	29.9		92.4	50-150				
ADONA	27.3	15.1	"	30.2		90.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	21.9	3.88	"	15.5		141	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	26.1	3.84	"	15.4		170	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	302	10.0	"	64.0		472	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	349	50.0	"	320		109	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	81.4	50.0	"	320		25.4	50-150	Low Bias			
N-MeFOSE	141	40.0	"	160		88.1	50-150				
N-MeFOSA	12.2	4.00	"	16.0		76.3	50-150				
N-EtFOSE	171	40.0	"	160		107	50-150				
N-EtFOSA	18.1	4.00	"	16.0		113	50-150				
Surrogate: M3PFBS	83.3		"	46.6		179	25-150				
Surrogate: M5PFHxA	88.3		"	50.0		177	25-150				
Surrogate: M4PFHpA	87.7		"	50.0		175	25-150				
Surrogate: M3PFHxS	85.1		"	47.4		180	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	90.2		"	50.0		180	25-150				
Surrogate: M6PFDA	43.5		"	25.0		174	25-150				
Surrogate: M7PFUdA	37.5		"	25.0		150	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	35.7		"	25.0		143	25-150				
Surrogate: M2PFTeDA	26.3		"	25.0		105	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

LCS (BH30021-BS2)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	113		ng/L	200		56.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	69.8		"	47.9		146	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	194		"	100		194	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	73.3		"	50.0		147	10-150				
Surrogate: d3-N-MeFOSAA	146		"	100		146	25-150				
Surrogate: d5-N-EtFOSAA	150		"	100		150	25-150				
Surrogate: M2-6:2 FTS	173		"	95.1		182	25-200				
Surrogate: M2-8:2 FTS	186		"	96.0		194	25-200				
Surrogate: M9PFNA	42.8		"	25.0		171	25-150				
Surrogate: M2-4:2 FTS	162		"	93.8		173	25-150				
Surrogate: d-N-MeFOSA	54.4		"	50.0		109	25-150				
Surrogate: d-N-EtFOSA	32.7		"	50.0		65.4	25-150				
Surrogate: M3HFPO-DA	324		"	200		162	25-150				
Surrogate: d9-N-EtFOSE	495		"	500		98.9	25-150				
Surrogate: d7-N-MeFOSE	620		"	500		124	25-150				

Duplicate (BH30021-DUP1)	Duplicate	*Source sample: 23G1449-08 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L		ND						30
Perfluorohexanoic acid (PFHxA)	ND	2.00	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	2.00	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"		ND						30
Perfluorononanoic acid (PFNA)	ND	2.00	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	2.00	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	2.00	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"		ND						30
N-MeFOSAA	ND	2.00	"		ND						30
N-EtFOSAA	ND	2.00	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	3.99	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.58	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.66	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	7.98	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.55	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.99	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.99	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.99	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.48	"		ND						30
HFPO-DA (Gen-X)	ND	7.98	"		ND						30
11CL-PF3OUdS	ND	7.54	"		ND						30
9CL-PF3ONS	ND	7.46	"		ND						30
ADONA	ND	7.54	"		ND						30



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30021 - EPA 1633 Prep</b>												
<b>Duplicate (BH30021-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G1449-08 (Duplicate)</b>						<b>Prepared: 08/01/2023 Analyzed: 08/02/2023</b>				
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L		ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"		ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.99	"		ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.9	"		ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.9	"		ND						30	
N-MeFOSE	ND	20.0	"		ND						30	
N-MeFOSA	ND	2.00	"		ND						30	
N-EtFOSE	ND	20.0	"		ND						30	
N-EtFOSA	ND	2.00	"		ND						30	
<i>Surrogate: M3PFBS</i>	27.8		"	23.3		120	25-150					
<i>Surrogate: M5PFHxA</i>	47.9		"	24.9		192	25-150					
<i>Surrogate: M4PFHpA</i>	55.6		"	24.9		223	25-150					
<i>Surrogate: M3PFHxS</i>	34.8		"	23.6		147	25-150					
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	45.0		"	24.9		180	25-150					
<i>Surrogate: M6PFDA</i>	20.3		"	12.5		163	25-150					
<i>Surrogate: M7PFUdA</i>	17.2		"	12.5		138	25-150					
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	15.8		"	12.5		127	25-150					
<i>Surrogate: M2PFTeDA</i>	11.5		"	12.5		92.2	10-150					
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	0.980		"	99.8		0.982	25-150					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	39.0		"	23.9		163	25-150					
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	14.1		"	49.9		28.2	25-150					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	41.7		"	24.9		167	10-150					
<i>Surrogate: d3-N-MeFOSAA</i>	74.9		"	49.9		150	25-150					
<i>Surrogate: d5-N-EtFOSAA</i>	73.0		"	49.9		146	25-150					
<i>Surrogate: M2-6:2 FTS</i>	76.8		"	47.4		162	25-200					
<i>Surrogate: M2-8:2 FTS</i>	88.9		"	47.9		186	25-200					
<i>Surrogate: M9PFNA</i>	19.2		"	12.5		154	25-150					
<i>Surrogate: M2-4:2 FTS</i>	68.3		"	46.8		146	25-150					
<i>Surrogate: d-N-MeFOSA</i>	25.2		"	24.9		101	25-150					
<i>Surrogate: d-N-EtFOSA</i>	23.2		"	24.9		92.8	25-150					
<i>Surrogate: M3HFPO-DA</i>	173		"	99.8		173	25-150					
<i>Surrogate: d9-N-EtFOSE</i>	226		"	249		90.7	25-150					
<i>Surrogate: d7-N-MeFOSE</i>	267		"	249		107	25-150					



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31810 - EPA 3510C**

Blank (BG31810-BLK1)	Blank										
											Prepared: 08/01/2023 Analyzed: 08/02/2023
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								

Surrogate: Decachlorobiphenyl	0.157		"	0.200		78.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.109		"	0.200		54.4	30-150				

LCS (BG31810-BS1)	LCS										
											Prepared: 08/01/2023 Analyzed: 08/02/2023
4,4'-DDD	0.0598	0.00400	ug/L	0.100		59.8	40-140			20	
4,4'-DDE	0.0532	0.00400	"	0.100		53.2	40-140			20	
4,4'-DDT	0.0495	0.00400	"	0.100		49.5	40-140			20	
Aldrin	0.0466	0.00400	"	0.100		46.6	40-140			20	
alpha-BHC	0.0447	0.00400	"	0.100		44.7	40-140			20	
alpha-Chlordane	0.0495	0.00400	"	0.100		49.5	40-140			20	
beta-BHC	0.0501	0.00400	"	0.100		50.1	40-140			20	
delta-BHC	0.0487	0.00400	"	0.100		48.7	40-140			20	
Dieldrin	0.0549	0.00200	"	0.100		54.9	40-140			20	
Endosulfan I	0.0534	0.00400	"	0.100		53.4	40-140			20	
Endosulfan II	0.0591	0.00400	"	0.100		59.1	40-140			20	
Endosulfan sulfate	0.0557	0.00400	"	0.100		55.7	40-140			20	
Endrin	0.0564	0.00400	"	0.100		56.4	40-140			20	
Endrin aldehyde	0.0675	0.0100	"	0.100		67.5	40-140			20	
Endrin ketone	0.0724	0.0100	"	0.100		72.4	40-140			20	
gamma-BHC (Lindane)	0.0486	0.00400	"	0.100		48.6	40-140			20	
gamma-Chlordane	0.0505	0.0100	"	0.100		50.5	40-140			20	
Heptachlor	0.0541	0.00400	"	0.100		54.1	40-140			20	
Heptachlor epoxide	0.0542	0.00400	"	0.100		54.2	40-140			20	
Methoxychlor	0.0645	0.00400	"	0.100		64.5	40-140			20	

Surrogate: Decachlorobiphenyl	0.142		"	0.200		70.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0872		"	0.200		43.6	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
									RPD	Limit
<b>Batch BG31810 - EPA 3510C</b>										
<b>LCS Dup (BG31810-BSD1)</b>	<b>LCS Dup</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023	
4,4'-DDD	0.0597	0.00400	ug/L	0.100		59.7	40-140		0.161	20
4,4'-DDE	0.0544	0.00400	"	0.100		54.4	40-140		2.28	20
4,4'-DDT	0.0502	0.00400	"	0.100		50.2	40-140		1.46	20
Aldrin	0.0497	0.00400	"	0.100		49.7	40-140		6.45	20
alpha-BHC	0.0479	0.00400	"	0.100		47.9	40-140		6.88	20
alpha-Chlordane	0.0514	0.00400	"	0.100		51.4	40-140		3.75	20
beta-BHC	0.0511	0.00400	"	0.100		51.1	40-140		2.04	20
delta-BHC	0.0501	0.00400	"	0.100		50.1	40-140		2.82	20
Dieldrin	0.0560	0.00200	"	0.100		56.0	40-140		2.05	20
Endosulfan I	0.0546	0.00400	"	0.100		54.6	40-140		2.22	20
Endosulfan II	0.0588	0.00400	"	0.100		58.8	40-140		0.657	20
Endosulfan sulfate	0.0554	0.00400	"	0.100		55.4	40-140		0.521	20
Endrin	0.0567	0.00400	"	0.100		56.7	40-140		0.435	20
Endrin aldehyde	0.0676	0.0100	"	0.100		67.6	40-140		0.206	20
Endrin ketone	0.0718	0.0100	"	0.100		71.8	40-140		0.855	20
gamma-BHC (Lindane)	0.0514	0.00400	"	0.100		51.4	40-140		5.65	20
gamma-Chlordane	0.0519	0.0100	"	0.100		51.9	40-140		2.77	20
Heptachlor	0.0576	0.00400	"	0.100		57.6	40-140		6.31	20
Heptachlor epoxide	0.0559	0.00400	"	0.100		55.9	40-140		3.09	20
Methoxychlor	0.0638	0.00400	"	0.100		63.8	40-140		1.13	20
Surrogate: Decachlorobiphenyl	0.135		"	0.200		67.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.0906		"	0.200		45.3	30-150			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31810 - EPA 3510C</b>												
<b>Blank (BG31810-BLK2)</b>	<b>Blank</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023			
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.132		"	0.200		66.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.146		"	0.200		73.0	30-120					
<b>LCS (BG31810-BS2)</b>	<b>LCS</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023			
Aroclor 1016	0.654	0.0500	ug/L	1.00		65.4	40-120					
Aroclor 1260	0.577	0.0500	"	1.00		57.7	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.107		"	0.200		53.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.165		"	0.200		82.5	30-120					
<b>LCS Dup (BG31810-BSD2)</b>	<b>LCS Dup</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023			
Aroclor 1016	0.806	0.0500	ug/L	1.00		80.6	40-120	20.8	30			
Aroclor 1260	0.749	0.0500	"	1.00		74.9	40-120	26.0	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.125		"	0.200		62.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.145		"	0.200		72.5	30-120					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31811 - EPA 8151A</b>												
<b>Blank (BG31811-BLK1)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.62		"	12.5		45.0	30-150					
<b>Blank (BG31811-BLK2)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	4.90		"	12.5		39.2	30-150					
<b>LCS (BG31811-BS1)</b>	<b>LCS</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	1.55	0.500	ug/L	4.00		38.8	10-140					
2,4,5-TP (Silvex)	1.58	0.500	"	4.00		39.4	10-139					
2,4-D	1.80	0.500	"	4.00		45.0	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.78		"	12.5		46.2	30-150					
<b>Matrix Spike (BG31811-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1416-01 (Matrix Spike)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	29.5	5.00	ug/L	40.0	ND	73.8	30-150					
2,4,5-TP (Silvex)	30.2	5.00	"	40.0	ND	75.6	30-150					
2,4-D	34.8	5.00	"	40.0	ND	86.9	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	104		"	125		83.2	30-150					
<b>Matrix Spike Dup (BG31811-1)</b>	<b>Matrix Spike Dup</b>	<b>*Source sample: 23G1416-01 (Matrix Spike Dup)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	14.8	5.00	ug/L	40.0	ND	36.9	30-150	66.7	30	Non-dir.		
2,4,5-TP (Silvex)	14.8	5.00	"	40.0	ND	36.9	30-150	68.9	30	Non-dir.		
2,4-D	16.8	5.00	"	40.0	ND	41.9	30-150	69.9	30	Non-dir.		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	54.5		"	125		43.6	30-150					



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

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

**Batch BG31763 - EPA 3015A**

<b>Blank (BG31763-BLK1)</b>	<b>Blank</b>	Prepared: 07/31/2023 Analyzed: 08/02/2023											
Aluminum - Dissolved	ND	0.0556	mg/L										
Barium - Dissolved	ND	0.0278	"										
Calcium - Dissolved	ND	0.0556	"										
Chromium - Dissolved	ND	0.00556	"										
Cobalt - Dissolved	ND	0.00444	"										
Copper - Dissolved	ND	0.0222	"										
Iron - Dissolved	ND	0.278	"										
Lead - Dissolved	ND	0.00556	"										
Magnesium - Dissolved	ND	0.0556	"										
Manganese - Dissolved	ND	0.00556	"										
Nickel - Dissolved	ND	0.0111	"										
Potassium - Dissolved	ND	0.0556	"										
Silver - Dissolved	ND	0.00556	"										
Sodium - Dissolved	ND	0.556	"										
Vanadium - Dissolved	ND	0.0111	"										
Zinc - Dissolved	ND	0.0278	"										

<b>LCS (BG31763-BS1)</b>	<b>LCS</b>	Prepared: 07/31/2023 Analyzed: 08/02/2023											
Aluminum - Dissolved	1.98		ug/mL	2.00	99.1	80-120							
Barium - Dissolved	2.02		"	2.00	101	80-120							
Calcium - Dissolved	1.15		"	1.00	115	80-120							
Chromium - Dissolved	0.201		"	0.200	100	80-120							
Cobalt - Dissolved	0.497		"	0.500	99.4	80-120							
Copper - Dissolved	0.270		"	0.250	108	80-120							
Iron - Dissolved	1.03		"	1.00	103	80-120							
Lead - Dissolved	0.494		"	0.500	98.8	80-120							
Magnesium - Dissolved	1.02		"	1.00	102	80-120							
Manganese - Dissolved	0.506		"	0.500	101	80-120							
Nickel - Dissolved	0.506		"	0.500	101	80-120							
Potassium - Dissolved	0.941		"	1.00	94.1	80-120							
Silver - Dissolved	0.0487		"	0.0500	97.4	80-120							
Sodium - Dissolved	1.04		"	1.00	104	80-120							
Vanadium - Dissolved	0.487		"	0.500	97.3	80-120							
Zinc - Dissolved	0.497		"	0.500	99.4	80-120							



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31763 - EPA 3015A**

Duplicate (BG31763-DUP1)	Duplicate	*Source sample: 23G1540-01 (RIMW02_072623)					Prepared: 07/31/2023 Analyzed: 08/02/2023			
Aluminum - Dissolved	0.853	0.0556	mg/L	0.166	0.166			135	20	Non-dir.
Barium - Dissolved	0.744	0.0278	"	0.687	0.687			7.94	20	
Calcium - Dissolved	269	0.0556	"	264	264			1.92	20	
Chromium - Dissolved	ND	0.00556	"	ND	ND				20	
Cobalt - Dissolved	ND	0.00444	"	ND	ND				20	
Copper - Dissolved	ND	0.0222	"	ND	ND				20	
Iron - Dissolved	37.6	0.278	"	33.8	33.8			10.7	20	
Lead - Dissolved	0.0608	0.00556	"	0.00970	0.00970			145	20	Non-dir.
Magnesium - Dissolved	51.8	0.0556	"	51.3	51.3			1.03	20	
Manganese - Dissolved	0.951	0.00556	"	0.893	0.893			6.28	20	
Nickel - Dissolved	ND	0.0111	"	ND	ND				20	
Potassium - Dissolved	60.2	0.0556	"	60.0	60.0			0.334	20	
Silver - Dissolved	ND	0.00556	"	ND	ND				20	
Sodium - Dissolved	1080	0.556	"	1060	1060			1.63	20	
Vanadium - Dissolved	ND	0.0111	"	ND	ND				20	
Zinc - Dissolved	0.0309	0.0278	"	ND	ND				20	

Matrix Spike (BG31763-MS1)	Matrix Spike	*Source sample: 23G1540-01 (RIMW02_072623)					Prepared: 07/31/2023 Analyzed: 08/02/2023			
Aluminum - Dissolved	2.38	0.0556	mg/L	2.22	0.166	99.4	75-125			
Barium - Dissolved	2.84	0.0278	"	2.22	0.687	96.6	75-125			
Calcium - Dissolved	269	0.0556	"	1.11	264	464	75-125	High Bias		
Chromium - Dissolved	0.216	0.00556	"	0.222	ND	97.0	75-125			
Cobalt - Dissolved	0.515	0.00444	"	0.556	ND	92.8	75-125			
Copper - Dissolved	0.297	0.0222	"	0.278	ND	107	75-125			
Iron - Dissolved	34.9	0.278	"	1.11	33.8	97.7	75-125			
Lead - Dissolved	0.518	0.00556	"	0.556	0.00970	91.6	75-125			
Magnesium - Dissolved	52.2	0.0556	"	1.11	51.3	78.5	75-125			
Manganese - Dissolved	1.39	0.00556	"	0.556	0.893	89.9	75-125			
Nickel - Dissolved	0.516	0.0111	"	0.556	ND	92.8	75-125			
Potassium - Dissolved	60.8	0.0556	"	1.11	60.0	72.1	75-125	Low Bias		
Silver - Dissolved	0.0555	0.00556	"	0.0556	ND	99.9	75-125			
Sodium - Dissolved	1060	0.556	"	1.11	1060	NR	75-125	Low Bias		
Vanadium - Dissolved	0.541	0.0111	"	0.556	ND	97.4	75-125			
Zinc - Dissolved	0.533	0.0278	"	0.556	ND	95.9	75-125			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31763 - EPA 3015A**

Post Spike (BG31763-PS1)	Post Spike	*Source sample: 23G1540-01 (RIMW02_072623)					Prepared: 07/31/2023 Analyzed: 08/02/2023	
Aluminum - Dissolved	2.26		ug/mL	2.00	0.150	106	75-125	
Barium - Dissolved	2.68		"	2.00	0.619	103	75-125	
Calcium - Dissolved	250		"	1.00	238	NR	75-125	High Bias
Chromium - Dissolved	0.207		"	0.200	0.00261	102	75-125	
Cobalt - Dissolved	0.490		"	0.500	-0.00173	98.0	75-125	
Copper - Dissolved	0.284		"	0.250	0.00354	112	75-125	
Iron - Dissolved	31.6		"	1.00	30.4	116	75-125	
Lead - Dissolved	0.491		"	0.500	0.00873	96.5	75-125	
Magnesium - Dissolved	47.3		"	1.00	46.2	112	75-125	
Manganese - Dissolved	1.29		"	0.500	0.804	97.1	75-125	
Nickel - Dissolved	0.489		"	0.500	-0.000371	97.9	75-125	
Potassium - Dissolved	55.0		"	1.00	54.0	98.8	75-125	
Silver - Dissolved	0.0558		"	0.0500	0.00163	108	75-125	
Sodium - Dissolved	979		"	1.00	958	NR	75-125	High Bias
Vanadium - Dissolved	0.515		"	0.500	0.000437	103	75-125	
Zinc - Dissolved	0.506		"	0.500	0.0164	97.9	75-125	

**Batch BH30019 - EPA 3015A**

Blank (BH30019-BLK1)	Blank				Prepared: 08/01/2023 Analyzed: 08/03/2023	
Aluminum	ND	0.0556	mg/L			
Barium	ND	0.0278	"			
Calcium	ND	0.0556	"			
Chromium	ND	0.00556	"			
Cobalt	ND	0.00444	"			
Copper	ND	0.0222	"			
Iron	ND	0.278	"			
Lead	ND	0.00556	"			
Magnesium	ND	0.0556	"			
Manganese	ND	0.00556	"			
Nickel	ND	0.0111	"			
Potassium	0.128	0.0556	"			
Silver	ND	0.00556	"			
Sodium	ND	0.556	"			
Vanadium	ND	0.0111	"			
Zinc	ND	0.0278	"			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30019 - EPA 3015A**

LCS (BH30019-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/03/2023									
Aluminum	1.76		ug/mL	2.00		87.9	80-120				
Barium	1.80		"	2.00		90.2	80-120				
Calcium	0.965		"	1.00		96.5	80-120				
Chromium	0.176		"	0.200		88.1	80-120				
Cobalt	0.448		"	0.500		89.7	80-120				
Copper	0.228		"	0.250		91.1	80-120				
Iron	0.898		"	1.00		89.8	80-120				
Lead	0.446		"	0.500		89.3	80-120				
Magnesium	0.895		"	1.00		89.5	80-120				
Manganese	0.446		"	0.500		89.2	80-120				
Nickel	0.462		"	0.500		92.4	80-120				
Potassium	0.711		"	1.00		71.1	80-120	Low Bias			
Silver	0.0414		"	0.0500		82.8	80-120				
Sodium	0.881		"	1.00		88.1	80-120				
Vanadium	0.443		"	0.500		88.6	80-120				
Zinc	0.438		"	0.500		87.6	80-120				

Duplicate (BH30019-DUP1)	Duplicate	*Source sample: 23G1504-01 (Duplicate) Prepared: 08/01/2023 Analyzed: 08/03/2023									
Aluminum	0.830	0.0556	mg/L		ND						20
Barium	0.647	0.0278	"		0.104			145		20	Non-dir.
Calcium	235	0.0556	"		187			22.7		20	Non-dir.
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	34.5	0.278	"		3.22			166		20	Non-dir.
Lead	0.0484	0.00556	"		ND					20	
Magnesium	43.8	0.0556	"		20.3			73.6		20	Non-dir.
Manganese	0.839	0.00556	"		0.646			26.1		20	Non-dir.
Nickel	ND	0.0111	"		ND					20	
Potassium	47.9	0.0556	"		25.7			60.3		20	Non-dir.
Silver	ND	0.00556	"		ND					20	
Sodium	1050	0.556	"		178			142		20	Non-dir.
Vanadium	ND	0.0111	"		ND					20	
Zinc	0.0288	0.0278	"		ND					20	



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

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

**Batch BH30019 - EPA 3015A**

Matrix Spike (BH30019-MS1)	Matrix Spike	*Source sample: 23G1504-01 (Matrix Spike)						Prepared: 08/01/2023 Analyzed: 08/03/2023					
Aluminum	3.05	0.0556	mg/L	2.22	ND	137	75-125	High Bias					
Barium	2.63	0.0278	"	2.22	0.104	114	75-125						
Calcium	234	0.0556	"	1.11	187	NR	75-125	High Bias					
Chromium	0.192	0.00556	"	0.222	ND	86.3	75-125						
Cobalt	0.502	0.00444	"	0.556	ND	90.4	75-125						
Copper	0.289	0.0222	"	0.278	ND	104	75-125						
Iron	35.7	0.278	"	1.11	3.22	NR	75-125	High Bias					
Lead	0.532	0.00556	"	0.556	ND	95.8	75-125						
Magnesium	44.8	0.0556	"	1.11	20.3	NR	75-125	High Bias					
Manganese	1.33	0.00556	"	0.556	0.646	122	75-125						
Nickel	0.524	0.0111	"	0.556	ND	94.4	75-125						
Potassium	51.0	0.0556	"	1.11	25.7	NR	75-125	High Bias					
Silver	0.0509	0.00556	"	0.0556	ND	91.6	75-125						
Sodium	1050	0.556	"	1.11	178	NR	75-125	High Bias					
Vanadium	0.501	0.0111	"	0.556	ND	90.2	75-125						
Zinc	0.517	0.0278	"	0.556	ND	93.1	75-125						

Post Spike (BH30019-PS1)	Post Spike	*Source sample: 23G1504-01 (Post Spike)						Prepared: 08/01/2023 Analyzed: 08/03/2023					
Aluminum	1.79		ug/mL	2.00	0.0410	87.7	75-125						
Barium	1.89		"	2.00	0.0935	89.7	75-125						
Calcium	168		"	1.00	168	NR	75-125	Low Bias					
Chromium	0.175		"	0.200	0.00266	86.1	75-125						
Cobalt	0.433		"	0.500	-0.00131	86.6	75-125						
Copper	0.243		"	0.250	0.00278	96.1	75-125						
Iron	3.66		"	1.00	2.90	75.9	75-125						
Lead	0.415		"	0.500	-0.0131	82.9	75-125						
Magnesium	18.4		"	1.00	18.2	21.9	75-125	Low Bias					
Manganese	1.04		"	0.500	0.581	91.1	75-125						
Nickel	0.466		"	0.500	0.00723	91.7	75-125						
Potassium	23.6		"	1.00	23.1	45.7	75-125	Low Bias					
Silver	0.0472		"	0.0500	-0.00145	94.4	75-125						
Sodium	159		"	1.00	160	NR	75-125	Low Bias					
Vanadium	0.451		"	0.500	-0.000299	90.1	75-125						
Zinc	0.436		"	0.500	0.0157	84.2	75-125						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30020 - EPA 3015A</b>												
<b>Blank (BH30020-BLK1)</b>	<b>Blank</b>								Prepared: 08/01/2023 Analyzed: 08/03/2023			
Antimony	ND	1.11	ug/L									
Arsenic	ND	1.11	"									
Beryllium	ND	0.333	"									
Cadmium	ND	0.556	"									
Selenium	ND	1.11	"									
Thallium	ND	1.11	"									
<b>LCS (BH30020-BS1)</b>	<b>LCS</b>								Prepared: 08/01/2023 Analyzed: 08/03/2023			
Antimony	56.6		ug/L	50.0		113	80-120					
Arsenic	52.2		"	50.0		104	80-120					
Beryllium	54.8		"	50.0		110	80-120					
Cadmium	52.9		"	50.0		106	80-120					
Selenium	51.6		"	50.0		103	80-120					
Thallium	52.1		"	50.0		104	80-120					
<b>Duplicate (BH30020-DUP1)</b>	<b>Duplicate</b>								*Source sample: 23G1572-01 (Duplicate) Prepared: 08/01/2023 Analyzed: 08/03/2023			
Antimony	ND	1.11	ug/L		ND						20	
Arsenic	ND	1.11	"		ND						20	
Beryllium	ND	0.333	"		ND						20	
Cadmium	ND	0.556	"		ND						20	
Selenium	ND	1.11	"		ND						20	
Thallium	ND	1.11	"		ND						20	
<b>Matrix Spike (BH30020-MS1)</b>	<b>Matrix Spike</b>								*Source sample: 23G1572-01 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/03/2023			
Antimony	61.5		ug/L	50.0	0.332	122	75-125					
Arsenic	56.1		"	50.0	0.826	111	75-125					
Beryllium	50.7		"	50.0	0.004	101	75-125					
Cadmium	55.2		"	50.0	0.079	110	75-125					
Selenium	53.1		"	50.0	-1.69	106	75-125					
Thallium	50.5		"	50.0	-0.038	101	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30023 - EPA 3015A</b>												
<b>Blank (BH30023-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 08/01/2023			
Antimony - Dissolved	ND	1.11	ug/L									
Arsenic - Dissolved	ND	1.11	"									
Beryllium - Dissolved	ND	0.333	"									
Cadmium - Dissolved	ND	0.556	"									
Selenium - Dissolved	ND	1.11	"									
Thallium - Dissolved	ND	1.11	"									
<b>LCS (BH30023-BS1)</b>	<b>LCS</b>								Prepared & Analyzed: 08/01/2023			
Antimony - Dissolved	56.9		ug/L	50.0		114	80-120					
Arsenic - Dissolved	52.7		"	50.0		105	80-120					
Beryllium - Dissolved	56.6		"	50.0		113	80-120					
Cadmium - Dissolved	51.2		"	50.0		102	80-120					
Selenium - Dissolved	49.4		"	50.0		98.9	80-120					
Thallium - Dissolved	53.5		"	50.0		107	80-120					
<b>Duplicate (BH30023-DUP1)</b>	<b>Duplicate</b>								*Source sample: 23G1540-01 (RIMW02_072623) Prepared & Analyzed: 08/01/2023			
Antimony - Dissolved	ND	1.11	ug/L		ND						20	
Arsenic - Dissolved	20.5	1.11	"		22.0				6.90		20	
Beryllium - Dissolved	ND	0.333	"		ND						20	
Cadmium - Dissolved	ND	0.556	"		ND						20	
Selenium - Dissolved	ND	1.11	"		ND						20	
Thallium - Dissolved	ND	1.11	"		ND						20	
<b>Matrix Spike (BH30023-MS1)</b>	<b>Matrix Spike</b>								*Source sample: 23G1540-01 (RIMW02_072623) Prepared & Analyzed: 08/01/2023			
Antimony - Dissolved	62.5		ug/L	50.0	0.109	125	75-125					
Arsenic - Dissolved	68.2		"	50.0	19.8	96.9	75-125					
Beryllium - Dissolved	49.3		"	50.0	0.004	98.6	75-125					
Cadmium - Dissolved	51.0		"	50.0	0.026	102	75-125					
Selenium - Dissolved	48.8		"	50.0	-0.344	97.6	75-125					
Thallium - Dissolved	48.9		"	50.0	-0.174	97.9	75-125					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30027 - EPA SW846-7470A</b>												
<b>Blank (BH30027-BLK1)</b>	Blank										Prepared & Analyzed: 08/01/2023	
Mercury - Dissolved	ND	0.0002	mg/L									
<b>LCS (BH30027-BS1)</b>	LCS										Prepared & Analyzed: 08/01/2023	
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200		96.0	80-120					
<b>Duplicate (BH30027-DUP1)</b>	Duplicate	*Source sample: 23G1416-01 (Duplicate)										Prepared & Analyzed: 08/01/2023
Mercury - Dissolved	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BH30027-MS1)</b>	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)										Prepared & Analyzed: 08/01/2023
Mercury - Dissolved	0.0023	0.0002	mg/L	0.00200	ND	115	75-125					
<b>Matrix Spike Dup (BH30027-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1416-01 (Matrix Spike Dup)										Prepared & Analyzed: 08/01/2023
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200	ND	96.3	75-125		17.8		20	
<b>Batch BH30175 - EPA SW846-7470A</b>												
<b>Blank (BH30175-BLK1)</b>	Blank										Prepared & Analyzed: 08/03/2023	
Mercury	ND	0.0002	mg/L									
<b>Blank (BH30175-BLK2)</b>	Blank										Prepared & Analyzed: 08/03/2023	
Mercury	ND	0.0002	mg/L									
<b>LCS (BH30175-BS1)</b>	LCS										Prepared & Analyzed: 08/03/2023	
Mercury	0.0018799	0.0002	mg/L	0.00200		94.0	80-120					
<b>LCS (BH30175-BS2)</b>	LCS										Prepared & Analyzed: 08/03/2023	
Mercury	0.0018959	0.0002	mg/L	0.00200		94.8	80-120					



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31519 - Analysis Preparation</b>											
<b>Blank (BG31519-BLK1)</b>	Blank								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG31519-BS1)</b>	LCS								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	0.549	0.0100	mg/L	0.500		110	85-115				
<b>Duplicate (BG31519-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
<b>Matrix Spike (BG31519-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	0.211	0.0100	mg/L	0.500	ND	42.2	85-115	Low Bias			
<b>Matrix Spike Dup (BG31519-MS1-DUP)</b>	Matrix Spike Dup								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	0.211	0.0100	mg/L	0.500	ND	42.2	85-115	Low Bias	0.00	200	
<b>Batch BH30117 - Analysis Preparation</b>											
<b>Blank (BH30117-BLK1)</b>	Blank								Prepared & Analyzed: 08/02/2023		
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BH30117-BS1)</b>	LCS								Prepared & Analyzed: 08/02/2023		
Cyanide, total	0.198	0.0100	mg/L	0.200		99.0	80-120				
<b>Duplicate (BH30117-DUP1)</b>	Duplicate								Prepared & Analyzed: 08/02/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
<b>Matrix Spike (BH30117-MS1)</b>	Matrix Spike								Prepared & Analyzed: 08/02/2023		
Cyanide, total	0.188	0.0100	mg/L	0.200	ND	94.0	79-105				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30117 - Analysis Preparation**

Matrix Spike Dup (BH30117-1)	Matrix Spike Dup	Source sample: 23G1495-02 (Matrix Spike Dup)	Prepared & Analyzed: 08/02/2023								
Cyanide, total	0.192	0.0100	mg/L	0.200	ND	96.0	79-105		2.11	200	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1540-01	RIMW02_072623	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1540-02	GWFB01_072623	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1540-03	GWTB02_072623	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No. **23G1540**  
Page **1** of **1**

**YOUR INFORMATION**  
Company: **LANGTAN**  
Address: **300 W 31st Street NYC, NY, 10001**  
Phone: **212-474-5400**  
Contact: **Albert Tashji**  
E-mail: **ATashji@Lungan.com**

**Report To:**  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**Invoice To:**  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**YOUR PROJECT NUMBER**  
**170758101**

**YOUR PROJECT NAME**  
**224 3rd Avenue**

**YOUR PO#:**

**Report / EDD Type (circle selections)**  
 Summary Report  
 QA Report  
 CMDP  
 Standard Excel EDD  
 NY ASP B Package  
Other: \_\_\_\_\_

**YORK Reg. Comp.**  
Compared to the following Regulation(s): (please fill in)

**Report / EDD Type (circle selections)**  
CT RCP  
CT RCP DQA/DUE (NYSDEC EQUIS)  
NJDEP Reduced Deliverables  
NJDEP SRP HazSite

**Matrix Codes**  
S - soil / solid  
GW - groundwater  
DW - drinking water  
WW - wastewater  
O - Oil Other: \_\_\_\_\_

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S - soil / solid  
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**YORK Reg. Comp.**  
Compared to the following Regulation(s): (please fill in)

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**Matrix Codes**  
S - soil / solid  
GW - groundwater  
DW - drinking water  
WW - wastewater  
O - Oil Other: \_\_\_\_\_

**Matrix Codes**  
S - soil / solid  
GW - groundwater  
DW - drinking water  
WW - wastewater  
O - Oil Other: \_\_\_\_\_

**Turn-Around Time**  
RUSH - Next Day  
RUSH - Two Day  
RUSH - Three Day  
RUSH - Four Day  
RUSH - Five Day  
**Standard (6-9 Day) X**  
PFAS Standard is 7-10 Days

**Turn-Around Time**  
RUSH - Next Day  
RUSH - Two Day  
RUSH - Three Day  
RUSH - Four Day  
RUSH - Five Day  
**Standard (6-9 Day) X**  
PFAS Standard is 7-10 Days

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**Turn-Around Time**  
RUSH - Next Day  
RUSH - Two Day  
RUSH - Three Day  
RUSH - Four Day  
RUSH - Five Day  
**Standard (6-9 Day) X**  
PFAS Standard is 7-10 Days

**Special Instruction**  
Field Filtered  
Lab to Filter

**Sample Identification**  
Samples Collected by: (print AND sign your name)  
**Ali Reach**  
**ALIMW02 - 072623**

Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
GW	7/26/23	TCL/Part 375 VOCs & SVOCs, Part 375 PCBs, Pesticides and Herbicides, THz / Part 375 metals (including Hex / Tr. Chromium Cyanide, and Dissolved metals), PFAS, and 1,4-dioxane		
AQ	7/26/23 1630	1545 Part 375 VOCs PFAS		
AQ	7/26/23			
AQ	7/26/23 1520			

**Comments:** Please cc: LMcconnell@Lungan.com and Datamanagement@Lungan.com  
1. Samples Relinquished by / Company: **Ali Reach / Kambu work 7/26/23**  
2. Samples Relinquished by / Company: **7/26/23**  
3. Samples Relinquished by / Company: **7/26/23**  
4. Samples Relinquished by / Company: **7/26/23**



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/07/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1543

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/07/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1543

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 26, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1543-01	RIB05_D_95-97	Soil	07/26/2023	07/26/2023
23G1543-02	RIB05_D_100-102	Soil	07/26/2023	07/26/2023
23G1543-03	RITB04_072623	Water	07/26/2023	07/26/2023

## **General Notes for York Project (SDG) No.: 23G1543**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/07/2023





### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:25 pm	<u>Date Received</u> 07/26/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 05:48	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 05:48	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.013</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.0024</b>	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:25 pm	<u>Date Received</u> 07/26/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
67-64-1	<b>Acetone</b>	<b>0.015</b>	CCVE	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
71-43-2	<b>Benzene</b>	<b>0.12</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.0023</b>	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
10061-01-5	<b>cis-1,3-Dichloropropylene</b>	<b>0.0029</b>	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Soil

July 26, 2023 2:25 pm

07/26/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.018		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
95-47-6	<b>o-Xylene</b>	<b>0.030</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>0.024</b>		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
100-42-5	<b>Styrene</b>	<b>0.032</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 05:48	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
108-88-3	<b>Toluene</b>	<b>0.15</b>		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Soil

July 26, 2023 2:25 pm

07/26/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 05:48	BMC
1330-20-7	Xylenes, Total	0.054		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 05:48	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:25 pm	<u>Date Received</u> 07/26/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
62-53-3	Aniline	ND		mg/kg dry	0.197	0.394	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:25 pm	<u>Date Received</u> 07/26/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:25 pm	<u>Date Received</u> 07/26/2023
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**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
91-20-3	<b>Naphthalene</b>	<b>0.105</b>		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
108-95-2	Phenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 19:51	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	73.8 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	64.2 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.4 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.3 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.3 %	24-116



**Sample Information**

**Client Sample ID:** RIB05\_D\_95-97

**York Sample ID:** 23G1543-01

York Project (SDG) No.  
23G1543

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 26, 2023 2:25 pm

Date Received  
07/26/2023

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.602	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 09:12	08/02/2023 16:51	JAMT

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.1		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2023 07:29	07/30/2023 15:07	AGNR



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Soil

July 26, 2023 2:35 pm

07/26/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 03:59	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 03:59	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2023 2:35 pm	<u>Date Received</u> 07/26/2023
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**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
67-64-1	<b>Acetone</b>	<b>0.0070</b>	J	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.  
23G1543

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 26, 2023 2:35 pm

Date Received  
07/26/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/28/2023 13:35	07/29/2023 03:59	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
127-18-4	<b>Tetrachloroethylene</b>	<b>0.0095</b>	CCVE, QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.  
23G1543

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 26, 2023 2:35 pm

Date Received  
07/26/2023

**VOA, 8260 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/28/2023 13:35	07/29/2023 03:59	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/28/2023 13:35	07/29/2023 03:59	BMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			76-130						

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.

Client Project ID

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23G1543

170758101

Soil

July 26, 2023 2:35 pm

07/26/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
62-53-3	Aniline	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.

Client Project ID

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Soil

July 26, 2023 2:35 pm

07/26/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH



### Sample Information

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Soil

July 26, 2023 2:35 pm

07/26/2023

**SVOA, 8270 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 14:12	08/02/2023 20:22	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	91.1 %	20-108
13127-88-3	Surrogate: SURR: Phenol-d6	78.7 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	101 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	88.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	102 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	101 %	24-116



**Sample Information**

**Client Sample ID:** RIB05\_D\_100-102

**York Sample ID:** 23G1543-02

York Project (SDG) No.  
23G1543

Client Project ID  
170758101

Matrix  
Soil

Collection Date/Time  
July 26, 2023 2:35 pm

Date Received  
07/26/2023

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.593	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 09:12	08/02/2023 16:51	JAMT

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.3		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2023 07:29	07/30/2023 15:07	AGNR



### Sample Information

**Client Sample ID:** RITB04\_072623

**York Sample ID:** 23G1543-03

<u>York Project (SDG) No.</u> 23G1543	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2023 3:50 pm	<u>Date Received</u> 07/26/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG



### Sample Information

**Client Sample ID:** RITB04\_072623

**York Sample ID:** 23G1543-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Water

July 26, 2023 3:50 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
67-64-1	<b>Acetone</b>	<b>2.87</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG



### Sample Information

**Client Sample ID:** RITB04\_072623

**York Sample ID:** 23G1543-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Water

July 26, 2023 3:50 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
75-09-2	<b>Methylene chloride</b>	<b>2.41</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 05:28	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 05:28	JTG



**Sample Information**

**Client Sample ID:** RITB04\_072623

**York Sample ID:** 23G1543-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1543

170758101

Water

July 26, 2023 3:50 pm

07/26/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C	08/01/2023 06:59	08/02/2023 05:28	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C	08/01/2023 06:59	08/02/2023 05:28	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.1 %	79-122



## Analytical Batch Summary

**Batch ID:** BG30866      **Preparation Method:** EPA 5035A      **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1543-01	RIB05_D_95-97	07/28/23
23G1543-02	RIB05_D_100-102	07/28/23
BG30866-BLK1	Blank	07/28/23
BG30866-BS1	LCS	07/28/23
BG30866-BSD1	LCS Dup	07/28/23

**Batch ID:** BG31721      **Preparation Method:** % Solids Prep      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1543-01	RIB05_D_95-97	07/30/23
23G1543-02	RIB05_D_100-102	07/30/23
BG31721-DUP1	Duplicate	07/30/23

**Batch ID:** BG31797      **Preparation Method:** EPA 3550C      **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
23G1543-01	RIB05_D_95-97	08/01/23
23G1543-02	RIB05_D_100-102	08/01/23
BG31797-BLK1	Blank	08/01/23
BG31797-BS1	LCS	08/01/23
BG31797-MS1	Matrix Spike	08/01/23
BG31797-MS2	Matrix Spike	08/01/23
BG31797-MSD1	Matrix Spike Dup	08/01/23
BG31797-MSD2	Matrix Spike Dup	08/01/23

**Batch ID:** BH30103      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G1543-01	RIB05_D_95-97	08/02/23
23G1543-02	RIB05_D_100-102	08/02/23
BH30103-BLK1	Blank	08/02/23
BH30103-DUP1	Duplicate	08/02/23
BH30103-MS1	Matrix Spike	08/02/23
BH30103-MSD1	Matrix Spike Dup	08/02/23
BH30103-SRM1	Reference	08/02/23

**Batch ID:** BH30197      **Preparation Method:** EPA 5030B      **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1543-03	RITB04_072623	08/01/23
BH30197-BLK1	Blank	08/01/23
BH30197-BS1	LCS	08/01/23
BH30197-BSD1	LCS Dup	08/01/23





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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30866 - EPA 5035A**

**Blank (BG30866-BLK1) Blank** Prepared: 07/28/2023 Analyzed: 07/29/2023

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG30866 - EPA 5035A**

<b>Blank (BG30866-BLK1)</b>	<b>Blank</b>	Prepared: 07/28/2023 Analyzed: 07/29/2023									
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<hr/>											
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	51.8		ug/L	50.0		104	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	52.4		"	50.0		105	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	57.4		"	50.0		115	76-130				

<b>LCS (BG30866-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 07/28/2023									
1,1,1,2-Tetrachloroethane	47.9		ug/L	50.0		95.7	75-129				
1,1,1-Trichloroethane	45.2		"	50.0		90.5	71-137				
1,1,2,2-Tetrachloroethane	49.2		"	50.0		98.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.6		"	50.0		103	58-146				
1,1,2-Trichloroethane	48.1		"	50.0		96.2	83-123				
1,1-Dichloroethane	43.4		"	50.0		86.8	75-130				
1,1-Dichloroethylene	53.3		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	45.9		"	50.0		91.8	81-140				
1,2,3-Trichloropropane	50.7		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	44.3		"	50.0		88.6	80-141				
1,2,4-Trimethylbenzene	47.4		"	50.0		94.9	84-125				
1,2-Dibromo-3-chloropropane	54.9		"	50.0		110	74-142				
1,2-Dibromoethane	49.3		"	50.0		98.6	86-123				
1,2-Dichlorobenzene	45.7		"	50.0		91.3	85-122				
1,2-Dichloroethane	45.4		"	50.0		90.7	71-133				
1,2-Dichloropropane	47.2		"	50.0		94.4	81-122				
1,3,5-Trimethylbenzene	47.6		"	50.0		95.2	82-126				
1,3-Dichlorobenzene	44.6		"	50.0		89.2	84-124				
1,4-Dichlorobenzene	45.1		"	50.0		90.3	84-124				
1,4-Dioxane	1080		"	1050		103	10-228				
2-Butanone	45.5		"	50.0		91.0	58-147				
2-Hexanone	50.6		"	50.0		101	70-139				
4-Methyl-2-pentanone	41.7		"	50.0		83.5	72-132				
Acetone	50.8		"	50.0		102	36-155				
Acrolein	17.1		"	50.0		34.2	10-238				
Acrylonitrile	47.8		"	50.0		95.5	66-141				
Benzene	45.7		"	50.0		91.4	77-127				
Bromochloromethane	44.8		"	50.0		89.5	74-129				
Bromodichloromethane	46.3		"	50.0		92.6	81-124				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
<b>Batch BG30866 - EPA 5035A</b>													
<b>LCS (BG30866-BS1)</b>	<b>LCS</b>												Prepared & Analyzed: 07/28/2023
Bromoform	50.8		ug/L	50.0		102		80-136					
Bromomethane	54.3		"	50.0		109		32-177					
Carbon disulfide	51.7		"	50.0		103		10-136					
Carbon tetrachloride	46.0		"	50.0		92.0		66-143					
Chlorobenzene	46.3		"	50.0		92.6		86-120					
Chloroethane	58.0		"	50.0		116		51-142					
Chloroform	44.1		"	50.0		88.1		76-131					
Chloromethane	52.8		"	50.0		106		49-132					
cis-1,2-Dichloroethylene	42.6		"	50.0		85.3		74-132					
cis-1,3-Dichloropropylene	44.8		"	50.0		89.7		81-129					
Cyclohexane	45.7		"	50.0		91.5		70-130					
Dibromochloromethane	48.9		"	50.0		97.9		10-200					
Dibromomethane	46.4		"	50.0		92.7		83-124					
Dichlorodifluoromethane	59.6		"	50.0		119		28-158					
Ethyl Benzene	47.6		"	50.0		95.2		84-125					
Hexachlorobutadiene	44.0		"	50.0		88.0		83-133					
Isopropylbenzene	46.3		"	50.0		92.6		81-127					
Methyl acetate	43.8		"	50.0		87.6		41-143					
Methyl tert-butyl ether (MTBE)	45.1		"	50.0		90.3		74-131					
Methylcyclohexane	44.9		"	50.0		89.8		70-130					
Methylene chloride	43.5		"	50.0		86.9		57-141					
n-Butylbenzene	45.4		"	50.0		90.9		80-130					
n-Propylbenzene	45.4		"	50.0		90.9		74-136					
o-Xylene	46.4		"	50.0		92.9		83-123					
p- & m- Xylenes	93.3		"	100		93.3		82-128					
p-Isopropyltoluene	46.8		"	50.0		93.5		85-125					
sec-Butylbenzene	45.4		"	50.0		90.9		83-125					
Styrene	45.9		"	50.0		91.8		86-126					
tert-Butyl alcohol (TBA)	281		"	250		112		70-130					
tert-Butylbenzene	40.0		"	50.0		79.9		80-127					Low Bias
Tetrachloroethylene	37.5		"	50.0		74.9		80-129					Low Bias
Toluene	47.2		"	50.0		94.4		85-121					
trans-1,2-Dichloroethylene	44.4		"	50.0		88.9		72-132					
trans-1,3-Dichloropropylene	45.8		"	50.0		91.7		78-132					
Trichloroethylene	47.7		"	50.0		95.4		84-123					
Trichlorofluoromethane	55.6		"	50.0		111		62-140					
Vinyl Chloride	55.2		"	50.0		110		52-130					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.5</i>		<i>"</i>	<i>50.0</i>		<i>101</i>		<i>77-125</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.5</i>		<i>"</i>	<i>50.0</i>		<i>103</i>		<i>85-120</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>76-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG30866 - EPA 5035A</b>											
LCS Dup (BG30866-bsd1)	LCS Dup		Prepared & Analyzed: 07/28/2023								
1,1,1,2-Tetrachloroethane	47.4		ug/L	50.0		94.9	75-129		0.860	30	
1,1,1-Trichloroethane	43.9		"	50.0		87.9	71-137		2.96	30	
1,1,2,2-Tetrachloroethane	48.3		"	50.0		96.7	79-129		1.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146		1.52	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.0	83-123		2.33	30	
1,1-Dichloroethane	42.3		"	50.0		84.7	75-130		2.50	30	
1,1-Dichloroethylene	51.3		"	50.0		103	64-137		3.88	30	
1,2,3-Trichlorobenzene	46.4		"	50.0		92.8	81-140		0.997	30	
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126		0.178	30	
1,2,4-Trichlorobenzene	44.5		"	50.0		88.9	80-141		0.338	30	
1,2,4-Trimethylbenzene	47.4		"	50.0		94.8	84-125		0.0633	30	
1,2-Dibromo-3-chloropropane	52.4		"	50.0		105	74-142		4.74	30	
1,2-Dibromoethane	48.7		"	50.0		97.4	86-123		1.16	30	
1,2-Dichlorobenzene	45.4		"	50.0		90.9	85-122		0.483	30	
1,2-Dichloroethane	43.9		"	50.0		87.7	71-133		3.34	30	
1,2-Dichloropropane	47.3		"	50.0		94.5	81-122		0.0847	30	
1,3,5-Trimethylbenzene	47.6		"	50.0		95.2	82-126		0.0840	30	
1,3-Dichlorobenzene	44.8		"	50.0		89.5	84-124		0.291	30	
1,4-Dichlorobenzene	45.0		"	50.0		90.0	84-124		0.355	30	
1,4-Dioxane	1080		"	1050		103	10-228		0.494	30	
2-Butanone	48.0		"	50.0		96.0	58-147		5.41	30	
2-Hexanone	48.6		"	50.0		97.2	70-139		3.99	30	
4-Methyl-2-pentanone	40.4		"	50.0		80.9	72-132		3.12	30	
Acetone	49.7		"	50.0		99.3	36-155		2.21	30	
Acrolein	14.3		"	50.0		28.6	10-238		17.7	30	
Acrylonitrile	46.4		"	50.0		92.7	66-141		2.95	30	
Benzene	44.2		"	50.0		88.4	77-127		3.36	30	
Bromochloromethane	42.5		"	50.0		85.0	74-129		5.25	30	
Bromodichloromethane	45.4		"	50.0		90.9	81-124		1.85	30	
Bromoform	49.7		"	50.0		99.4	80-136		2.13	30	
Bromomethane	52.5		"	50.0		105	32-177		3.30	30	
Carbon disulfide	55.2		"	50.0		110	10-136		6.60	30	
Carbon tetrachloride	45.2		"	50.0		90.3	66-143		1.82	30	
Chlorobenzene	45.6		"	50.0		91.2	86-120		1.59	30	
Chloroethane	56.9		"	50.0		114	51-142		1.79	30	
Chloroform	42.8		"	50.0		85.6	76-131		2.90	30	
Chloromethane	52.1		"	50.0		104	49-132		1.18	30	
cis-1,2-Dichloroethylene	43.4		"	50.0		86.8	74-132		1.70	30	
cis-1,3-Dichloropropylene	44.0		"	50.0		88.0	81-129		1.94	30	
Cyclohexane	43.9		"	50.0		87.7	70-130		4.17	30	
Dibromochloromethane	48.0		"	50.0		95.9	10-200		2.00	30	
Dibromomethane	45.8		"	50.0		91.5	83-124		1.35	30	
Dichlorodifluoromethane	58.3		"	50.0		117	28-158		2.17	30	
Ethyl Benzene	47.0		"	50.0		93.9	84-125		1.37	30	
Hexachlorobutadiene	43.2		"	50.0		86.4	83-133		1.79	30	
Isopropylbenzene	46.1		"	50.0		92.3	81-127		0.346	30	
Methyl acetate	42.0		"	50.0		84.1	41-143		4.15	30	
Methyl tert-butyl ether (MTBE)	44.3		"	50.0		88.5	74-131		1.95	30	
Methylcyclohexane	43.8		"	50.0		87.6	70-130		2.50	30	
Methylene chloride	42.8		"	50.0		85.6	57-141		1.51	30	
n-Butylbenzene	45.1		"	50.0		90.1	80-130		0.796	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BG30866 - EPA 5035A</b>											
<b>LCS Dup (BG30866-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 07/28/2023									
n-Propylbenzene	44.8		ug/L	50.0		89.7	74-136			1.31	30
o-Xylene	46.0		"	50.0		91.9	83-123			1.04	30
p- & m- Xylenes	91.1		"	100		91.1	82-128			2.40	30
p-Isopropyltoluene	46.4		"	50.0		92.8	85-125			0.795	30
sec-Butylbenzene	45.0		"	50.0		90.0	83-125			0.973	30
Styrene	45.4		"	50.0		90.8	86-126			1.12	30
tert-Butyl alcohol (TBA)	276		"	250		110	70-130			1.76	30
tert-Butylbenzene	39.4		"	50.0		78.9	80-127	Low Bias		1.28	30
Tetrachloroethylene	36.7		"	50.0		73.3	80-129	Low Bias		2.19	30
Toluene	46.3		"	50.0		92.7	85-121			1.82	30
trans-1,2-Dichloroethylene	43.1		"	50.0		86.2	72-132			3.04	30
trans-1,3-Dichloropropylene	45.4		"	50.0		90.9	78-132			0.833	30
Trichloroethylene	46.6		"	50.0		93.3	84-123			2.23	30
Trichlorofluoromethane	54.8		"	50.0		110	62-140			1.59	30
Vinyl Chloride	53.7		"	50.0		107	52-130			2.77	30
Surrogate: SURR: 1,2-Dichloroethane-d4	50.0		"	50.0		100	77-125				
Surrogate: SURR: Toluene-d8	51.1		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.7		"	50.0		101	76-130				

<b>Batch BH30197 - EPA 5030B</b>											
<b>Blank (BH30197-BLK1)</b>	<b>Blank</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

**Blank (BH30197-BLK1) Blank** Prepared: 08/01/2023 Analyzed: 08/02/2023

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURRE: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.61		"	10.0		96.1	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS (BH30197-BS1)</b>	<b>LCS</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	8.87		"	10.0		88.7	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	7.06		"	10.0		70.6	45-147				
1,2-Dibromoethane	8.73		"	10.0		87.3	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	180		"	210		85.8	10-349				
2-Butanone	8.39		"	10.0		83.9	49-152				
2-Hexanone	6.71		"	10.0		67.1	51-146				
4-Methyl-2-pentanone	6.59		"	10.0		65.9	57-145				
Acetone	8.21		"	10.0		82.1	14-150				
Acrolein	8.01		"	10.0		80.1	10-153				
Acrylonitrile	8.03		"	10.0		80.3	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	9.87		"	10.0		98.7	77-128				
Bromodichloromethane	8.34		"	10.0		83.4	79-128				
Bromoform	6.94		"	10.0		69.4	78-133	Low Bias			
Bromomethane	8.34		"	10.0		83.4	43-168				
Carbon disulfide	9.63		"	10.0		96.3	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.87		"	10.0		98.7	88-120				
Chloroethane	11.4		"	10.0		114	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	80-131	Low Bias			
Cyclohexane	4.82		"	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	8.37		"	10.0		83.7	80-130				
Dibromomethane	8.68		"	10.0		86.8	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	7.78		"	10.0		77.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.19		"	10.0		81.9	76-135				
Methylcyclohexane	9.31		"	10.0		93.1	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	9.92		"	10.0		99.2	79-132				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS (BH30197-BS1)</b>	<b>LCS</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023
n-Propylbenzene	10.0		ug/L	10.0		100	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.86		"	10.0		98.6	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	21.5		"	50.0		43.0	25-162				
tert-Butylbenzene	8.62		"	10.0		86.2	77-138				
Tetrachloroethylene	9.84		"	10.0		98.4	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	7.05		"	10.0		70.5	78-131	Low Bias			
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	14.4		"	10.0		144	67-139	High Bias			
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.65		"	10.0		96.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				
<b>LCS Dup (BH30197-BSD1)</b>	<b>LCS Dup</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		0.107	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		6.08	30	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		5.11	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		1.03	30	
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129		2.46	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.48	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136		0.795	30	
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		0.875	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		1.34	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.782	30	
1,2-Dibromo-3-chloropropane	7.38		"	10.0		73.8	45-147		4.43	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.229	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.299	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		3.93	30	
1,2-Dichloropropane	9.21		"	10.0		92.1	78-126		1.20	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		1.34	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		0.696	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.304	30	
1,4-Dioxane	187		"	210		89.0	10-349		3.70	30	
2-Butanone	8.41		"	10.0		84.1	49-152		0.238	30	
2-Hexanone	6.58		"	10.0		65.8	51-146		1.96	30	
4-Methyl-2-pentanone	6.67		"	10.0		66.7	57-145		1.21	30	
Acetone	8.27		"	10.0		82.7	14-150		0.728	30	
Acrolein	8.30		"	10.0		83.0	10-153		3.56	30	
Acrylonitrile	8.16		"	10.0		81.6	51-150		1.61	30	
Benzene	10.3		"	10.0		103	85-126		1.25	30	
Bromochloromethane	9.85		"	10.0		98.5	77-128		0.203	30	
Bromodichloromethane	8.16		"	10.0		81.6	79-128		2.18	30	
Bromoform	6.91		"	10.0		69.1	78-133	Low Bias	0.433	30	
Bromomethane	8.80		"	10.0		88.0	43-168		5.37	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS Dup (BH30197-bsd1)</b>	<b>LCS Dup</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023		
Carbon disulfide	9.40		ug/L	10.0		94.0	68-146		2.42	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		5.83	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		0.406	30	
Chloroethane	11.2		"	10.0		112	65-136		1.78	30	
Chloroform	9.99		"	10.0		99.9	82-128		3.06	30	
Chloromethane	11.0		"	10.0		110	43-155		1.00	30	
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129		3.09	30	
cis-1,3-Dichloropropylene	7.55		"	10.0		75.5	80-131	Low Bias	0.265	30	
Cyclohexane	4.58		"	10.0		45.8	63-149	Low Bias	5.11	30	
Dibromochloromethane	8.25		"	10.0		82.5	80-130		1.44	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		0.460	30	
Dichlorodifluoromethane	14.0		"	10.0		140	44-144		4.40	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	7.40		"	10.0		74.0	67-146		5.01	30	
Isopropylbenzene	9.90		"	10.0		99.0	76-140		1.20	30	
Methyl acetate	7.88		"	10.0		78.8	51-139		2.26	30	
Methyl tert-butyl ether (MTBE)	8.26		"	10.0		82.6	76-135		0.851	30	
Methylcyclohexane	8.94		"	10.0		89.4	72-143		4.05	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		1.80	30	
n-Butylbenzene	9.70		"	10.0		97.0	79-132		2.24	30	
n-Propylbenzene	9.76		"	10.0		97.6	78-133		2.53	30	
o-Xylene	9.73		"	10.0		97.3	78-130		2.74	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		2.12	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		0.195	30	
sec-Butylbenzene	9.71		"	10.0		97.1	79-137		1.53	30	
Styrene	9.63		"	10.0		96.3	67-132		2.06	30	
tert-Butyl alcohol (TBA)	22.3		"	50.0		44.5	25-162		3.52	30	
tert-Butylbenzene	8.57		"	10.0		85.7	77-138		0.582	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		6.18	30	
Toluene	9.59		"	10.0		95.9	80-127		2.37	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		3.34	30	
trans-1,3-Dichloropropylene	6.92		"	10.0		69.2	78-131	Low Bias	1.86	30	
Trichloroethylene	9.23		"	10.0		92.3	82-128		2.67	30	
Trichlorofluoromethane	13.6		"	10.0		136	67-139		5.85	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		3.04	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.93		"	10.0		99.3	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.77		"	10.0		97.7	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.0		"	10.0		100	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Blank (BG31797-BLK1) Blank

Prepared: 08/01/2023 Analyzed: 08/02/2023

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Blank (BG31797-BLK1)	Blank										
											Prepared: 08/01/2023 Analyzed: 08/02/2023
Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.36		"	3.33		40.9	20-108				
Surrogate: SURR: Phenol-d6	1.14		"	3.33		34.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.766		"	1.67		46.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.700		"	1.67		42.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.45		"	3.33		43.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.743		"	1.67		44.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31797 - EPA 3550C</b>											
<b>LCS (BG31797-BS1)</b>	<b>LCS</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
1,1-Biphenyl	0.597	0.0417	mg/kg wet	0.833		71.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.884	0.0833	"	0.833		106	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.502	0.0417	"	0.833		60.3	17-137				
2,3,4,6-Tetrachlorophenol	0.698	0.0833	"	0.833		83.8	30-130				
2,4,5-Trichlorophenol	0.718	0.0417	"	0.833		86.2	27-118				
2,4,6-Trichlorophenol	0.633	0.0417	"	0.833		76.0	31-120				
2,4-Dichlorophenol	0.616	0.0417	"	0.833		73.9	20-127				
2,4-Dimethylphenol	0.499	0.0417	"	0.833		59.9	14-132				
2,4-Dinitrophenol	0.190	0.0833	"	0.833		22.8	10-171				
2,4-Dinitrotoluene	0.803	0.0417	"	0.833		96.4	34-131				
2,6-Dinitrotoluene	0.770	0.0417	"	0.833		92.4	31-128				
2-Chloronaphthalene	0.596	0.0417	"	0.833		71.5	31-117				
2-Chlorophenol	0.535	0.0417	"	0.833		64.2	33-113				
2-Methylnaphthalene	0.567	0.0417	"	0.833		68.0	12-138				
2-Methylphenol	0.525	0.0417	"	0.833		63.0	10-136				
2-Nitroaniline	0.732	0.0833	"	0.833		87.8	27-132				
2-Nitrophenol	0.700	0.0417	"	0.833		84.0	17-129				
3- & 4-Methylphenols	0.451	0.0417	"	0.833		54.2	29-103				
3,3-Dichlorobenzidine	0.610	0.0417	"	0.833		73.2	22-149				
3-Nitroaniline	0.588	0.0833	"	0.833		70.6	20-133				
4,6-Dinitro-2-methylphenol	0.202	0.0833	"	0.833		24.3	10-143				
4-Bromophenyl phenyl ether	0.651	0.0417	"	0.833		78.1	29-120				
4-Chloro-3-methylphenol	0.595	0.0417	"	0.833		71.4	24-129				
4-Chloroaniline	0.350	0.0417	"	0.833		42.0	10-132				
4-Chlorophenyl phenyl ether	0.629	0.0417	"	0.833		75.5	27-124				
4-Nitroaniline	0.600	0.0833	"	0.833		72.0	16-128				
4-Nitrophenol	0.658	0.0833	"	0.833		79.0	10-141				
Acenaphthene	0.586	0.0417	"	0.833		70.3	30-121				
Acenaphthylene	0.557	0.0417	"	0.833		66.8	30-115				
Acetophenone	0.471	0.0417	"	0.833		56.6	20-112				
Aniline	0.272	0.167	"	0.833		32.6	10-119				
Anthracene	0.652	0.0417	"	0.833		78.2	34-118				
Atrazine	0.605	0.0417	"	0.833		72.6	26-112				
Benzaldehyde	0.466	0.0417	"	0.833		55.9	21-100				
Benzo(a)anthracene	0.693	0.0417	"	0.833		83.2	32-122				
Benzo(a)pyrene	0.658	0.0417	"	0.833		79.0	29-133				
Benzo(b)fluoranthene	0.661	0.0417	"	0.833		79.3	25-133				
Benzo(g,h,i)perylene	0.674	0.0417	"	0.833		80.9	10-143				
Benzo(k)fluoranthene	0.631	0.0417	"	0.833		75.7	25-128				
Benzoic acid	0.878	0.0417	"	0.833		105	10-140				
Benzyl alcohol	0.509	0.0417	"	0.833		61.0	30-115				
Benzyl butyl phthalate	0.892	0.0417	"	0.833		107	26-126				
Bis(2-chloroethoxy)methane	0.532	0.0417	"	0.833		63.9	19-132				
Bis(2-chloroethyl)ether	0.495	0.0417	"	0.833		59.4	19-125				
Bis(2-chloroisopropyl)ether	0.393	0.0417	"	0.833		47.1	20-135				
Bis(2-ethylhexyl)phthalate	0.784	0.0417	"	0.833		94.1	10-155				
Caprolactam	0.640	0.0833	"	0.833		76.8	10-127				
Carbazole	0.676	0.0417	"	0.833		81.1	35-123				
Chrysene	0.638	0.0417	"	0.833		76.6	32-123				
Dibenzo(a,h)anthracene	0.729	0.0417	"	0.833		87.5	10-136				
Dibenzofuran	0.587	0.0417	"	0.833		70.4	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

LCS (BG31797-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Diethyl phthalate	0.634	0.0417	mg/kg wet	0.833		76.0	34-116				
Dimethyl phthalate	0.638	0.0417	"	0.833		76.6	35-124				
Di-n-butyl phthalate	0.785	0.0417	"	0.833		94.2	31-116				
Di-n-octyl phthalate	0.895	0.0417	"	0.833		107	26-136				
Diphenylamine	0.671	0.0833	"	0.833		80.5	40-140				
Fluoranthene	0.623	0.0417	"	0.833		74.8	33-122				
Fluorene	0.581	0.0417	"	0.833		69.7	29-123				
Hexachlorobenzene	0.572	0.0417	"	0.833		68.7	21-124				
Hexachlorobutadiene	0.695	0.0417	"	0.833		83.4	10-149				
Hexachlorocyclopentadiene	0.0587	0.0417	"	0.833		7.04	10-129	Low Bias			
Hexachloroethane	0.466	0.0417	"	0.833		55.9	28-108				
Indeno(1,2,3-cd)pyrene	0.767	0.0417	"	0.833		92.0	10-135				
Isophorone	0.587	0.0417	"	0.833		70.4	20-132				
Naphthalene	0.564	0.0417	"	0.833		67.7	23-124				
Nitrobenzene	0.639	0.0417	"	0.833		76.6	13-132				
N-Nitrosodimethylamine	0.560	0.0417	"	0.833		67.2	11-129				
N-nitroso-di-n-propylamine	0.479	0.0417	"	0.833		57.5	24-119				
N-Nitrosodiphenylamine	0.638	0.0417	"	0.833		76.5	22-152				
Pentachlorophenol	0.578	0.0417	"	0.833		69.4	10-139				
Phenanthrene	0.634	0.0417	"	0.833		76.1	33-123				
Phenol	0.514	0.0417	"	0.833		61.6	23-115				
Pyrene	0.755	0.0417	"	0.833		90.6	24-130				
Pyridine	0.425	0.167	"	0.833		51.0	10-91				
Surrogate: SURR: 2-Fluorophenol	2.48		"	3.33		74.4	20-108				
Surrogate: SURR: Phenol-d6	2.16		"	3.33		64.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	1.37		"	1.67		82.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	1.30		"	1.67		78.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.94		"	3.33		88.3	19-110				
Surrogate: SURR: Terphenyl-d14	1.53		"	1.67		91.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike (BG31797-MS1) Matrix Spike \*Source sample: 23G1399-04 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/02/2023

1,1-Biphenyl	0.280	0.0447	mg/kg dry	0.893	ND	31.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.400	0.0893	"	0.893	ND	44.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.226	0.0447	"	0.893	ND	25.3	10-144				
2,3,4,6-Tetrachlorophenol	0.272	0.0893	"	0.893	ND	30.4	30-130				
2,4,5-Trichlorophenol	0.312	0.0447	"	0.893	ND	34.9	10-127				
2,4,6-Trichlorophenol	0.270	0.0447	"	0.893	ND	30.2	10-132				
2,4-Dichlorophenol	0.291	0.0447	"	0.893	ND	32.6	10-128				
2,4-Dimethylphenol	0.122	0.0447	"	0.893	ND	13.7	10-137				
2,4-Dinitrophenol	ND	0.0893	"	0.893	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.344	0.0447	"	0.893	ND	38.5	16-135				
2,6-Dinitrotoluene	0.362	0.0447	"	0.893	ND	40.5	18-131				
2-Chloronaphthalene	0.277	0.0447	"	0.893	ND	31.0	10-129				
2-Chlorophenol	0.261	0.0447	"	0.893	ND	29.2	15-116				
2-Methylnaphthalene	0.275	0.0447	"	0.893	ND	30.8	10-147				
2-Methylphenol	0.215	0.0447	"	0.893	ND	24.0	10-136				
2-Nitroaniline	0.349	0.0893	"	0.893	ND	39.1	10-137				
2-Nitrophenol	0.323	0.0447	"	0.893	ND	36.2	10-129				
3- & 4-Methylphenols	0.188	0.0447	"	0.893	ND	21.0	10-123				
3,3-Dichlorobenzidine	0.138	0.0447	"	0.893	ND	15.5	10-155				
3-Nitroaniline	0.290	0.0893	"	0.893	ND	32.4	12-133				
4,6-Dinitro-2-methylphenol	0.0447	0.0893	"	0.893	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.294	0.0447	"	0.893	ND	32.9	14-128				
4-Chloro-3-methylphenol	0.267	0.0447	"	0.893	ND	29.9	10-134				
4-Chloroaniline	0.178	0.0447	"	0.893	ND	19.9	10-145				
4-Chlorophenyl phenyl ether	0.297	0.0447	"	0.893	ND	33.2	14-130				
4-Nitroaniline	0.289	0.0893	"	0.893	ND	32.4	10-147				
4-Nitrophenol	0.278	0.0893	"	0.893	ND	31.1	10-137				
Acenaphthene	0.267	0.0447	"	0.893	ND	29.8	10-146				
Acenaphthylene	0.259	0.0447	"	0.893	ND	29.0	10-134				
Acetophenone	0.235	0.0447	"	0.893	ND	26.4	10-116				
Aniline	0.118	0.179	"	0.893	ND	13.2	10-123				
Anthracene	0.298	0.0447	"	0.893	ND	33.3	10-142				
Atrazine	0.292	0.0447	"	0.893	ND	32.7	19-115				
Benzaldehyde	0.249	0.0447	"	0.893	ND	27.9	10-125				
Benzo(a)anthracene	0.324	0.0447	"	0.893	ND	36.2	10-158				
Benzo(a)pyrene	0.304	0.0447	"	0.893	ND	34.0	10-180				
Benzo(b)fluoranthene	0.303	0.0447	"	0.893	ND	33.9	10-200				
Benzo(g,h,i)perylene	0.292	0.0447	"	0.893	ND	32.6	10-138				
Benzo(k)fluoranthene	0.297	0.0447	"	0.893	ND	33.2	10-197				
Benzoic acid	0.141	0.0447	"	0.893	ND	15.8	10-166				
Benzyl alcohol	0.252	0.0447	"	0.893	ND	28.2	12-124				
Benzyl butyl phthalate	0.397	0.0447	"	0.893	ND	44.4	10-154				
Bis(2-chloroethoxy)methane	0.262	0.0447	"	0.893	ND	29.3	10-132				
Bis(2-chloroethyl)ether	0.243	0.0447	"	0.893	ND	27.2	10-119				
Bis(2-chloroisopropyl)ether	0.195	0.0447	"	0.893	ND	21.8	10-139				
Bis(2-ethylhexyl)phthalate	0.346	0.0447	"	0.893	ND	38.8	10-167				
Caprolactam	0.293	0.0893	"	0.893	ND	32.8	10-132				
Carbazole	0.306	0.0447	"	0.893	ND	34.3	10-167				
Chrysene	0.295	0.0447	"	0.893	ND	33.0	10-156				
Dibenzo(a,h)anthracene	0.307	0.0447	"	0.893	ND	34.3	10-137				
Dibenzofuran	0.279	0.0447	"	0.893	ND	31.2	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike (BG31797-MS1)	Matrix Spike	*Source sample: 23G1399-04 (Matrix Spike)					Prepared: 08/01/2023 Analyzed: 08/02/2023				
Diethyl phthalate	0.286	0.0447	mg/kg dry	0.893	ND	32.0	20-120				
Dimethyl phthalate	0.297	0.0447	"	0.893	ND	33.2	18-131				
Di-n-butyl phthalate	0.355	0.0447	"	0.893	ND	39.8	10-137				
Di-n-octyl phthalate	0.409	0.0447	"	0.893	ND	45.8	10-180				
Diphenylamine	0.266	0.0893	"	0.893	ND	29.8	40-140	Low Bias			
Fluoranthene	0.298	0.0447	"	0.893	ND	33.4	10-160				
Fluorene	0.267	0.0447	"	0.893	ND	29.9	10-157				
Hexachlorobenzene	0.270	0.0447	"	0.893	ND	30.3	10-137				
Hexachlorobutadiene	0.346	0.0447	"	0.893	ND	38.8	10-132				
Hexachlorocyclopentadiene	ND	0.0447	"	0.893	ND		10-106	Low Bias			
Hexachloroethane	0.202	0.0447	"	0.893	ND	22.6	10-110				
Indeno(1,2,3-cd)pyrene	0.325	0.0447	"	0.893	ND	36.4	10-144				
Isophorone	0.285	0.0447	"	0.893	ND	31.9	10-132				
Naphthalene	0.270	0.0447	"	0.893	ND	30.2	10-141				
Nitrobenzene	0.314	0.0447	"	0.893	ND	35.1	10-131				
N-Nitrosodimethylamine	0.275	0.0447	"	0.893	ND	30.8	10-126				
N-nitroso-di-n-propylamine	0.222	0.0447	"	0.893	ND	24.9	10-125				
N-Nitrosodiphenylamine	0.261	0.0447	"	0.893	ND	29.2	10-177				
Pentachlorophenol	0.160	0.0447	"	0.893	ND	17.9	10-153				
Phenanthrene	0.290	0.0447	"	0.893	ND	32.5	10-148				
Phenol	0.239	0.0447	"	0.893	ND	26.8	10-126				
Pyrene	0.335	0.0447	"	0.893	ND	37.5	10-165				
Pyridine	0.227	0.179	"	0.893	ND	25.4	10-83				
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Surrogate: SURR: 2-Fluorophenol	1.19		"	3.57		33.2	20-108				
Surrogate: SURR: Phenol-d6	1.04		"	3.57		29.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.689		"	1.79		38.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.622		"	1.79		34.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.17		"	3.57		32.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.696		"	1.79		39.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike (BG31797-MS2) Matrix Spike \*Source sample: 23G1399-07 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/03/2023

1,1-Biphenyl	0.321	0.0446	mg/kg dry	0.890	ND	36.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.435	0.0890	"	0.890	ND	48.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.249	0.0446	"	0.890	ND	28.0	10-144				
2,3,4,6-Tetrachlorophenol	0.339	0.0890	"	0.890	ND	38.0	30-130				
2,4,5-Trichlorophenol	0.341	0.0446	"	0.890	ND	38.3	10-127				
2,4,6-Trichlorophenol	0.316	0.0446	"	0.890	ND	35.5	10-132				
2,4-Dichlorophenol	0.312	0.0446	"	0.890	ND	35.0	10-128				
2,4-Dimethylphenol	0.135	0.0446	"	0.890	ND	15.2	10-137				
2,4-Dinitrophenol	0.0559	0.0890	"	0.890	ND	6.28	10-171	Low Bias			
2,4-Dinitrotoluene	0.380	0.0446	"	0.890	ND	42.6	16-135				
2,6-Dinitrotoluene	0.404	0.0446	"	0.890	ND	45.4	18-131				
2-Chloronaphthalene	0.300	0.0446	"	0.890	ND	33.7	10-129				
2-Chlorophenol	0.278	0.0446	"	0.890	ND	31.3	15-116				
2-Methylnaphthalene	0.290	0.0446	"	0.890	ND	32.6	10-147				
2-Methylphenol	0.227	0.0446	"	0.890	ND	25.4	10-136				
2-Nitroaniline	0.375	0.0890	"	0.890	ND	42.2	10-137				
2-Nitrophenol	0.351	0.0446	"	0.890	ND	39.4	10-129				
3- & 4-Methylphenols	0.192	0.0446	"	0.890	ND	21.6	10-123				
3,3-Dichlorobenzidine	0.228	0.0446	"	0.890	ND	25.6	10-155				
3-Nitroaniline	0.298	0.0890	"	0.890	ND	33.4	12-133				
4,6-Dinitro-2-methylphenol	0.0887	0.0890	"	0.890	ND	9.96	10-155	Low Bias			
4-Bromophenyl phenyl ether	0.300	0.0446	"	0.890	ND	33.7	14-128				
4-Chloro-3-methylphenol	0.293	0.0446	"	0.890	ND	33.0	10-134				
4-Chloroaniline	0.189	0.0446	"	0.890	ND	21.2	10-145				
4-Chlorophenyl phenyl ether	0.315	0.0446	"	0.890	ND	35.4	14-130				
4-Nitroaniline	0.318	0.0890	"	0.890	ND	35.7	10-147				
4-Nitrophenol	0.317	0.0890	"	0.890	ND	35.6	10-137				
Acenaphthene	0.294	0.0446	"	0.890	ND	33.0	10-146				
Acenaphthylene	0.277	0.0446	"	0.890	ND	31.1	10-134				
Acetophenone	0.257	0.0446	"	0.890	ND	28.9	10-116				
Aniline	0.138	0.178	"	0.890	ND	15.5	10-123				
Anthracene	0.320	0.0446	"	0.890	ND	36.0	10-142				
Atrazine	0.311	0.0446	"	0.890	ND	34.9	19-115				
Benzaldehyde	0.264	0.0446	"	0.890	ND	29.6	10-125				
Benzo(a)anthracene	0.344	0.0446	"	0.890	ND	38.7	10-158				
Benzo(a)pyrene	0.325	0.0446	"	0.890	ND	36.5	10-180				
Benzo(b)fluoranthene	0.340	0.0446	"	0.890	ND	38.2	10-200				
Benzo(g,h,i)perylene	0.312	0.0446	"	0.890	ND	35.0	10-138				
Benzo(k)fluoranthene	0.313	0.0446	"	0.890	ND	35.1	10-197				
Benzoic acid	0.130	0.0446	"	0.890	ND	14.6	10-166				
Benzyl alcohol	0.265	0.0446	"	0.890	ND	29.7	12-124				
Benzyl butyl phthalate	0.416	0.0446	"	0.890	ND	46.7	10-154				
Bis(2-chloroethoxy)methane	0.280	0.0446	"	0.890	ND	31.4	10-132				
Bis(2-chloroethyl)ether	0.248	0.0446	"	0.890	ND	27.8	10-119				
Bis(2-chloroisopropyl)ether	0.207	0.0446	"	0.890	ND	23.2	10-139				
Bis(2-ethylhexyl)phthalate	0.373	0.0446	"	0.890	ND	41.9	10-167				
Caprolactam	0.310	0.0890	"	0.890	ND	34.8	10-132				
Carbazole	0.330	0.0446	"	0.890	ND	37.1	10-167				
Chrysene	0.313	0.0446	"	0.890	ND	35.1	10-156				
Dibenzo(a,h)anthracene	0.345	0.0446	"	0.890	ND	38.8	10-137				
Dibenzofuran	0.292	0.0446	"	0.890	ND	32.8	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike (BG31797-MS2) Matrix Spike \*Source sample: 23G1399-07 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/03/2023

Diethyl phthalate	0.319	0.0446	mg/kg dry	0.890	ND	35.8	20-120				
Dimethyl phthalate	0.317	0.0446	"	0.890	ND	35.6	18-131				
Di-n-butyl phthalate	0.390	0.0446	"	0.890	ND	43.8	10-137				
Di-n-octyl phthalate	0.429	0.0446	"	0.890	0.0349	44.3	10-180				
Diphenylamine	0.311	0.0890	"	0.890	ND	35.0	40-140	Low Bias			
Fluoranthene	0.321	0.0446	"	0.890	ND	36.1	10-160				
Fluorene	0.286	0.0446	"	0.890	ND	32.1	10-157				
Hexachlorobenzene	0.315	0.0446	"	0.890	ND	35.4	10-137				
Hexachlorobutadiene	0.369	0.0446	"	0.890	ND	41.5	10-132				
Hexachlorocyclopentadiene	ND	0.0446	"	0.890	ND		10-106	Low Bias			
Hexachloroethane	0.230	0.0446	"	0.890	ND	25.9	10-110				
Indeno(1,2,3-cd)pyrene	0.350	0.0446	"	0.890	ND	39.3	10-144				
Isophorone	0.295	0.0446	"	0.890	ND	33.1	10-132				
Naphthalene	0.285	0.0446	"	0.890	ND	32.0	10-141				
Nitrobenzene	0.322	0.0446	"	0.890	ND	36.2	10-131				
N-Nitrosodimethylamine	0.302	0.0446	"	0.890	ND	33.9	10-126				
N-nitroso-di-n-propylamine	0.239	0.0446	"	0.890	ND	26.8	10-125				
N-Nitrosodiphenylamine	0.309	0.0446	"	0.890	ND	34.8	10-177				
Pentachlorophenol	0.230	0.0446	"	0.890	ND	25.8	10-153				
Phenanthrene	0.309	0.0446	"	0.890	ND	34.8	10-148				
Phenol	0.255	0.0446	"	0.890	ND	28.6	10-126				
Pyrene	0.357	0.0446	"	0.890	ND	40.1	10-165				
Pyridine	0.245	0.178	"	0.890	ND	27.5	10-83				
Surrogate: SURR: 2-Fluorophenol	1.32		"	3.56		37.1	20-108				
Surrogate: SURR: Phenol-d6	1.13		"	3.56		31.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.749		"	1.78		42.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.672		"	1.78		37.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.39		"	3.56		39.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.742		"	1.78		41.7	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31797 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31797-1) Matrix Spike Dup Source sample: 23G1399-04 (Matrix Spike Dup)</b>											
Prepared: 08/01/2023 Analyzed: 08/02/2023											
1,1-Biphenyl	0.297	0.0437	mg/kg dry	0.873	ND	34.0	10-130		5.77	30	
1,2,4,5-Tetrachlorobenzene	0.416	0.0872	"	0.873	ND	47.7	10-133		3.84	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.230	0.0437	"	0.873	ND	26.4	10-144		1.88	30	
2,3,4,6-Tetrachlorophenol	0.295	0.0872	"	0.873	ND	33.8	30-130		8.28	30	
2,4,5-Trichlorophenol	0.306	0.0437	"	0.873	ND	35.0	10-127		1.84	30	
2,4,6-Trichlorophenol	0.280	0.0437	"	0.873	ND	32.0	10-132		3.61	30	
2,4-Dichlorophenol	0.289	0.0437	"	0.873	ND	33.1	10-128		0.594	30	
2,4-Dimethylphenol	0.107	0.0437	"	0.873	ND	12.3	10-137		13.1	30	
2,4-Dinitrophenol	ND	0.0872	"	0.873	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.354	0.0437	"	0.873	ND	40.6	16-135		3.06	30	
2,6-Dinitrotoluene	0.354	0.0437	"	0.873	ND	40.6	18-131		2.20	30	
2-Chloronaphthalene	0.298	0.0437	"	0.873	ND	34.2	10-129		7.40	30	
2-Chlorophenol	0.250	0.0437	"	0.873	ND	28.6	15-116		4.37	30	
2-Methylnaphthalene	0.275	0.0437	"	0.873	ND	31.6	10-147		0.00882	30	
2-Methylphenol	0.190	0.0437	"	0.873	ND	21.8	10-136		12.2	30	
2-Nitroaniline	0.360	0.0872	"	0.873	ND	41.3	10-137		3.18	30	
2-Nitrophenol	0.337	0.0437	"	0.873	ND	38.6	10-129		4.23	30	
3- & 4-Methylphenols	0.174	0.0437	"	0.873	ND	19.9	10-123		7.97	30	
3,3-Dichlorobenzidine	0.126	0.0437	"	0.873	ND	14.4	10-155		9.52	30	
3-Nitroaniline	0.295	0.0872	"	0.873	ND	33.8	12-133		1.93	30	
4,6-Dinitro-2-methylphenol	ND	0.0872	"	0.873	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.287	0.0437	"	0.873	ND	32.9	14-128		2.30	30	
4-Chloro-3-methylphenol	0.258	0.0437	"	0.873	ND	29.6	10-134		3.24	30	
4-Chloroaniline	0.181	0.0437	"	0.873	ND	20.7	10-145		1.64	30	
4-Chlorophenyl phenyl ether	0.289	0.0437	"	0.873	ND	33.1	14-130		2.54	30	
4-Nitroaniline	0.297	0.0872	"	0.873	ND	34.1	10-147		2.88	30	
4-Nitrophenol	0.302	0.0872	"	0.873	ND	34.6	10-137		8.41	30	
Acenaphthene	0.281	0.0437	"	0.873	ND	32.2	10-146		5.31	30	
Acenaphthylene	0.267	0.0437	"	0.873	ND	30.6	10-134		3.06	30	
Acetophenone	0.238	0.0437	"	0.873	ND	27.2	10-116		0.985	30	
Aniline	0.112	0.175	"	0.873	ND	12.8	10-123			30	
Anthracene	0.304	0.0437	"	0.873	ND	34.8	10-142		2.05	30	
Atrazine	0.305	0.0437	"	0.873	ND	35.0	19-115		4.44	30	
Benzaldehyde	0.240	0.0437	"	0.873	ND	27.4	10-125		4.03	30	
Benzo(a)anthracene	0.329	0.0437	"	0.873	ND	37.6	10-158		1.49	30	
Benzo(a)pyrene	0.311	0.0437	"	0.873	ND	35.6	10-180		2.41	30	
Benzo(b)fluoranthene	0.326	0.0437	"	0.873	ND	37.3	10-200		7.25	30	
Benzo(g,h,i)perylene	0.299	0.0437	"	0.873	ND	34.2	10-138		2.49	30	
Benzo(k)fluoranthene	0.303	0.0437	"	0.873	ND	34.7	10-197		2.18	30	
Benzoic acid	0.157	0.0437	"	0.873	ND	18.0	10-166		10.7	30	
Benzyl alcohol	0.244	0.0437	"	0.873	ND	27.9	12-124		3.15	30	
Benzyl butyl phthalate	0.391	0.0437	"	0.873	ND	44.8	10-154		1.49	30	
Bis(2-chloroethoxy)methane	0.263	0.0437	"	0.873	ND	30.1	10-132		0.393	30	
Bis(2-chloroethyl)ether	0.235	0.0437	"	0.873	ND	27.0	10-119		3.04	30	
Bis(2-chloroisopropyl)ether	0.188	0.0437	"	0.873	ND	21.5	10-139		3.77	30	
Bis(2-ethylhexyl)phthalate	0.348	0.0437	"	0.873	ND	39.8	10-167		0.449	30	
Caprolactam	0.307	0.0872	"	0.873	ND	35.2	10-132		4.76	30	
Carbazole	0.315	0.0437	"	0.873	ND	36.1	10-167		2.93	30	
Chrysene	0.299	0.0437	"	0.873	ND	34.3	10-156		1.51	30	
Dibenzo(a,h)anthracene	0.323	0.0437	"	0.873	ND	37.0	10-137		5.33	30	
Dibenzofuran	0.282	0.0437	"	0.873	ND	32.3	10-147		1.23	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike Dup (BG31797-1) Matrix Spike Dup Source sample: 23G1399-04 (Matrix Spike Dup) Prepared: 08/01/2023 Analyzed: 08/02/2023

Diethyl phthalate	0.297	0.0437	mg/kg dry	0.873	ND	34.0	20-120		3.76	30	
Dimethyl phthalate	0.304	0.0437	"	0.873	ND	34.9	18-131		2.52	30	
Di-n-butyl phthalate	0.361	0.0437	"	0.873	ND	41.3	10-137		1.45	30	
Di-n-octyl phthalate	0.402	0.0437	"	0.873	ND	46.1	10-180		1.60	30	
Diphenylamine	0.270	0.0872	"	0.873	ND	30.9	40-140	Low Bias	1.39	30	
Fluoranthene	0.301	0.0437	"	0.873	ND	34.5	10-160		1.00	30	
Fluorene	0.275	0.0437	"	0.873	ND	31.6	10-157		3.17	30	
Hexachlorobenzene	0.286	0.0437	"	0.873	ND	32.7	10-137		5.45	30	
Hexachlorobutadiene	0.351	0.0437	"	0.873	ND	40.2	10-132		1.35	30	
Hexachlorocyclopentadiene	ND	0.0437	"	0.873	ND		10-106	Low Bias		30	
Hexachloroethane	0.210	0.0437	"	0.873	ND	24.1	10-110		3.87	30	
Indeno(1,2,3-cd)pyrene	0.341	0.0437	"	0.873	ND	39.0	10-144		4.59	30	
Isophorone	0.281	0.0437	"	0.873	ND	32.2	10-132		1.18	30	
Naphthalene	0.277	0.0437	"	0.873	ND	31.7	10-141		2.48	30	
Nitrobenzene	0.317	0.0437	"	0.873	ND	36.4	10-131		1.17	30	
N-Nitrosodimethylamine	0.283	0.0437	"	0.873	ND	32.5	10-126		2.88	30	
N-nitroso-di-n-propylamine	0.221	0.0437	"	0.873	ND	25.3	10-125		0.704	30	
N-Nitrosodiphenylamine	0.262	0.0437	"	0.873	ND	30.0	10-177		0.267	30	
Pentachlorophenol	0.174	0.0437	"	0.873	ND	20.0	10-153		8.70	30	
Phenanthrene	0.297	0.0437	"	0.873	ND	34.0	10-148		2.27	30	
Phenol	0.229	0.0437	"	0.873	ND	26.2	10-126		4.41	30	
Pyrene	0.333	0.0437	"	0.873	ND	38.2	10-165		0.501	30	
Pyridine	0.241	0.175	"	0.873	ND	27.6	10-83		6.15	30	
Surrogate: SURR: 2-Fluorophenol	1.10		"	3.49		31.5	20-108				
Surrogate: SURR: Phenol-d6	0.965		"	3.49		27.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.663		"	1.75		38.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.609		"	1.75		34.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.12		"	3.49		32.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.662		"	1.75		37.9	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31797 - EPA 3550C</b>											
<b>Matrix Spike Dup (BG31797-1) Matrix Spike Dup</b>						Source sample: 23G1399-07 (Matrix Spike Dup) Prepared: 08/01/2023 Analyzed: 08/03/2023					
1,1-Biphenyl	0.322	0.0448	mg/kg dry	0.896	ND	35.9	10-130		0.440	30	
1,2,4,5-Tetrachlorobenzene	0.435	0.0896	"	0.896	ND	48.5	10-133		0.0776	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.238	0.0448	"	0.896	ND	26.5	10-144		4.62	30	
2,3,4,6-Tetrachlorophenol	0.325	0.0896	"	0.896	ND	36.2	30-130		4.18	30	
2,4,5-Trichlorophenol	0.336	0.0448	"	0.896	ND	37.5	10-127		1.34	30	
2,4,6-Trichlorophenol	0.310	0.0448	"	0.896	ND	34.6	10-132		1.85	30	
2,4-Dichlorophenol	0.306	0.0448	"	0.896	ND	34.2	10-128		1.77	30	
2,4-Dimethylphenol	0.139	0.0448	"	0.896	ND	15.6	10-137		3.27	30	
2,4-Dinitrophenol	0.0534	0.0896	"	0.896	ND	5.96	10-171	Low Bias		30	
2,4-Dinitrotoluene	0.375	0.0448	"	0.896	ND	41.8	16-135		1.33	30	
2,6-Dinitrotoluene	0.399	0.0448	"	0.896	ND	44.5	18-131		1.30	30	
2-Chloronaphthalene	0.301	0.0448	"	0.896	ND	33.6	10-129		0.306	30	
2-Chlorophenol	0.270	0.0448	"	0.896	ND	30.1	15-116		3.25	30	
2-Methylnaphthalene	0.286	0.0448	"	0.896	ND	31.9	10-147		1.45	30	
2-Methylphenol	0.233	0.0448	"	0.896	ND	26.0	10-136		2.69	30	
2-Nitroaniline	0.361	0.0896	"	0.896	ND	40.2	10-137		4.00	30	
2-Nitrophenol	0.342	0.0448	"	0.896	ND	38.2	10-129		2.54	30	
3- & 4-Methylphenols	0.211	0.0448	"	0.896	ND	23.6	10-123		9.34	30	
3,3-Dichlorobenzidine	0.241	0.0448	"	0.896	ND	26.9	10-155		5.69	30	
3-Nitroaniline	0.312	0.0896	"	0.896	ND	34.8	12-133		4.76	30	
4,6-Dinitro-2-methylphenol	0.0649	0.0896	"	0.896	ND	7.24	10-155	Low Bias	31.0	30	Non-dir.
4-Bromophenyl phenyl ether	0.318	0.0448	"	0.896	ND	35.5	14-128		5.98	30	
4-Chloro-3-methylphenol	0.295	0.0448	"	0.896	ND	32.9	10-134		0.419	30	
4-Chloroaniline	0.200	0.0448	"	0.896	ND	22.3	10-145		5.81	30	
4-Chlorophenyl phenyl ether	0.309	0.0448	"	0.896	ND	34.4	14-130		1.97	30	
4-Nitroaniline	0.318	0.0896	"	0.896	ND	35.5	10-147		0.100	30	
4-Nitrophenol	0.328	0.0896	"	0.896	ND	36.6	10-137		3.54	30	
Acenaphthene	0.293	0.0448	"	0.896	ND	32.6	10-146		0.556	30	
Acenaphthylene	0.274	0.0448	"	0.896	ND	30.6	10-134		1.02	30	
Acetophenone	0.267	0.0448	"	0.896	ND	29.8	10-116		3.53	30	
Aniline	0.140	0.180	"	0.896	ND	15.6	10-123			30	
Anthracene	0.324	0.0448	"	0.896	ND	36.2	10-142		1.22	30	
Atrazine	0.339	0.0448	"	0.896	ND	37.8	19-115		8.80	30	
Benzaldehyde	0.267	0.0448	"	0.896	ND	29.8	10-125		1.07	30	
Benzo(a)anthracene	0.353	0.0448	"	0.896	ND	39.4	10-158		2.40	30	
Benzo(a)pyrene	0.342	0.0448	"	0.896	ND	38.2	10-180		5.16	30	
Benzo(b)fluoranthene	0.345	0.0448	"	0.896	ND	38.5	10-200		1.50	30	
Benzo(g,h,i)perylene	0.320	0.0448	"	0.896	ND	35.7	10-138		2.47	30	
Benzo(k)fluoranthene	0.332	0.0448	"	0.896	ND	37.0	10-197		5.98	30	
Benzoic acid	0.100	0.0448	"	0.896	ND	11.2	10-166		26.0	30	
Benzyl alcohol	0.256	0.0448	"	0.896	ND	28.6	12-124		3.18	30	
Benzyl butyl phthalate	0.428	0.0448	"	0.896	ND	47.8	10-154		2.95	30	
Bis(2-chloroethoxy)methane	0.277	0.0448	"	0.896	ND	30.9	10-132		1.13	30	
Bis(2-chloroethyl)ether	0.248	0.0448	"	0.896	ND	27.7	10-119		0.230	30	
Bis(2-chloroisopropyl)ether	0.204	0.0448	"	0.896	ND	22.8	10-139		1.25	30	
Bis(2-ethylhexyl)phthalate	0.376	0.0448	"	0.896	ND	42.0	10-167		0.853	30	
Caprolactam	0.331	0.0896	"	0.896	ND	36.9	10-132		6.35	30	
Carbazole	0.337	0.0448	"	0.896	ND	37.6	10-167		2.05	30	
Chrysene	0.320	0.0448	"	0.896	ND	35.8	10-156		2.47	30	
Dibenzo(a,h)anthracene	0.341	0.0448	"	0.896	ND	38.0	10-137		1.21	30	
Dibenzofuran	0.295	0.0448	"	0.896	ND	33.0	10-147		1.03	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31797 - EPA 3550C

Matrix Spike Dup (BG31797-1) Matrix Spike Dup Source sample: 23G1399-07 (Matrix Spike Dup) Prepared: 08/01/2023 Analyzed: 08/03/2023

Diethyl phthalate	0.317	0.0448	mg/kg dry	0.896	ND	35.3	20-120		0.799	30	
Dimethyl phthalate	0.323	0.0448	"	0.896	ND	36.0	18-131		1.78	30	
Di-n-butyl phthalate	0.390	0.0448	"	0.896	ND	43.5	10-137		0.0209	30	
Di-n-octyl phthalate	0.443	0.0448	"	0.896	0.0349	45.6	10-180		3.20	30	
Diphenylamine	0.316	0.0896	"	0.896	ND	35.3	40-140	Low Bias	1.57	30	
Fluoranthene	0.322	0.0448	"	0.896	ND	35.9	10-160		0.218	30	
Fluorene	0.288	0.0448	"	0.896	ND	32.2	10-157		0.911	30	
Hexachlorobenzene	0.306	0.0448	"	0.896	ND	34.1	10-137		2.91	30	
Hexachlorobutadiene	0.343	0.0448	"	0.896	ND	38.3	10-132		7.26	30	
Hexachlorocyclopentadiene	ND	0.0448	"	0.896	ND		10-106	Low Bias		30	
Hexachloroethane	0.237	0.0448	"	0.896	ND	26.5	10-110		2.95	30	
Indeno(1,2,3-cd)pyrene	0.355	0.0448	"	0.896	ND	39.6	10-144		1.37	30	
Isophorone	0.293	0.0448	"	0.896	ND	32.6	10-132		0.677	30	
Naphthalene	0.284	0.0448	"	0.896	ND	31.7	10-141		0.342	30	
Nitrobenzene	0.322	0.0448	"	0.896	ND	35.9	10-131		0.226	30	
N-Nitrosodimethylamine	0.294	0.0448	"	0.896	ND	32.8	10-126		2.82	30	
N-nitroso-di-n-propylamine	0.241	0.0448	"	0.896	ND	26.9	10-125		0.960	30	
N-Nitrosodiphenylamine	0.300	0.0448	"	0.896	ND	33.5	10-177		3.09	30	
Pentachlorophenol	0.227	0.0448	"	0.896	ND	25.3	10-153		1.37	30	
Phenanthrene	0.318	0.0448	"	0.896	ND	35.5	10-148		2.71	30	
Phenol	0.247	0.0448	"	0.896	ND	27.6	10-126		2.90	30	
Pyrene	0.360	0.0448	"	0.896	ND	40.1	10-165		0.762	30	
Pyridine	0.209	0.180	"	0.896	ND	23.3	10-83		16.0	30	
Surrogate: SURR: 2-Fluorophenol	1.23		"	3.59		34.3	20-108				
Surrogate: SURR: Phenol-d6	1.08		"	3.59		30.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.698		"	1.79		38.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.645		"	1.79		36.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.38		"	3.59		38.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.742		"	1.79		41.4	24-116				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30103 - Analysis Preparation Soil</b>												
<b>Blank (BH30103-BLK1)</b>	<b>Blank</b>								Prepared & Analyzed: 08/02/2023			
Cyanide, total	ND	0.500	mg/kg wet									
<b>Duplicate (BH30103-DUP1)</b>	<b>Duplicate</b>	*Source sample: 23G1399-07 (Duplicate)								Prepared & Analyzed: 08/02/2023		
Cyanide, total	ND	0.540	mg/kg dry		ND					15		
<b>Matrix Spike (BH30103-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1399-07 (Matrix Spike)								Prepared & Analyzed: 08/02/2023		
Cyanide, total	10.4	0.540	mg/kg dry	10.8	ND	96.0	79.6-107					
<b>Matrix Spike Dup (BH30103-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1399-07 (Matrix Spike Dup)								Prepared & Analyzed: 08/02/2023		
Cyanide, total	10.6	0.540	mg/kg dry	10.8	ND	98.5	79.6-107		2.57	200		
<b>Reference (BH30103-SRM1)</b>	<b>Reference</b>								Prepared & Analyzed: 08/02/2023			
Cyanide, total	164		ug/mL	131		126	44.4-156.5					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31721 - % Solids Prep**

<b>Duplicate (BG31721-DUP1)</b>	<b>Duplicate</b>	<b>*Source sample: 23G1624-01 (Duplicate)</b>						<b>Prepared &amp; Analyzed: 07/30/2023</b>				
% Solids	66.3	0.100	%		62.9				5.14	20		



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1543-01	RIB05_D_95-97	40mL Vial with Stir Bar-Cool 4° C
23G1543-02	RIB05_D_100-102	40mL Vial with Stir Bar-Cool 4° C
23G1543-03	RITB04_072623	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

### Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/07/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1635

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 08/07/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1635

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 27, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1635-01	RIMW01_072723	Water	07/27/2023	07/27/2023
23G1635-02	RIMW06_072723	Water	07/27/2023	07/27/2023
23G1635-03	GWTB03_072723	Water	07/27/2023	07/27/2023
23G1635-04	GWECFB03_072723	Water	07/27/2023	07/27/2023

## **General Notes for York Project (SDG) No.: 23G1635**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/07/2023





### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 10:00 am	<u>Date Received</u> 07/27/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.370</b>		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.540</b>		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
78-93-3	<b>2-Butanone</b>	<b>1.94</b>		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG



Sample Information

Client Sample ID: RIMW01\_072723

York Sample ID: 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2-Hexanone, Acetone, Benzene, etc.



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1.37		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
98-82-8	Isopropylbenzene	24.4		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
108-87-2	Methylcyclohexane	10.7		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
104-51-8	n-Butylbenzene	5.52		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
103-65-1	n-Propylbenzene	45.5		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
95-47-6	o-Xylene	0.670		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
179601-23-1	p- & m- Xylenes	1.32		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
99-87-6	p-Isopropyltoluene	2.88		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
135-98-8	sec-Butylbenzene	5.35		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 10:09	JTG
98-06-6	tert-Butylbenzene	0.740		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
108-88-3	Toluene	0.410		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 10:09	JTG
1330-20-7	Xylenes, Total	1.99		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:52	08/04/2023 10:09	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.2 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH



### Sample Information

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**York Sample ID:** 23G1635-01

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170758101

Water

July 27, 2023 10:00 am

07/27/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
100-01-6	4-Nitroaniline	ND	CCVE	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	6.25	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
98-86-2	Acetophenone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
62-53-3	Aniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
100-52-7	Benzaldehyde	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
92-87-5	Benzidine	ND		ug/L	6.25	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
65-85-0	Benzoic acid	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.25	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
105-60-2	Caprolactam	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
86-74-8	Carbazole	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
122-39-4	Diphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
78-59-1	Isophorone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH
110-86-1	Pyridine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 17:49	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	36.1 %	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	20.5 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.7 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.7 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	126 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.8 %	30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.350		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
208-96-8	Acenaphthylene	0.0750		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
120-12-7	Anthracene	0.838		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
1912-24-9	Atrazine	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
56-55-3	Benzo(a)anthracene	0.162		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
50-32-8	Benzo(a)pyrene	0.150		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
205-99-2	Benzo(b)fluoranthene	0.138		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
191-24-2	Benzo(g,h,i)perylene	0.100		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
207-08-9	Benzo(k)fluoranthene	0.112		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
218-01-9	Chrysene	0.162		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
206-44-0	Fluoranthene	0.562		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
86-73-7	Fluorene	0.288		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
67-72-1	Hexachloroethane	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0875		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
91-20-3	Naphthalene	0.688	B	ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
98-95-3	Nitrobenzene	ND		ug/L	0.312	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.312	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 18:13	KH



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.800		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH
129-00-0	Pyrene	0.425		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 18:13	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/27/2023 20:12	08/02/2023 15:56	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	79.7 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.03		ng/L	0.475	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	34.8		ng/L	0.353	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	17.5		ng/L	0.717	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.66		ng/L	0.687	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	53.1		ng/L	0.424	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	20.0		ng/L	0.828	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	9.16		ng/L	0.525	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	1.50	J	ng/L	0.757	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.889	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.747	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.697	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ





### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.798	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>48.2</b>		ng/L	0.232	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.889	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.919	1.93	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.95	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.07	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.07	7.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.333	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.505	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.16	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.252	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.374	4.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.767	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.81	7.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.26	8.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.707	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
919005-14-4	ADONA	ND		ng/L	0.535	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:22	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.939	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.868	1.94	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.05	5.05	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.40	25.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.56	25.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.03	20.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.03	20.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.82	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:22	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	102 %	25-150
Surrogate: M5PFHxA	178 %	25-150
Surrogate: M4PFHpA	116 %	25-150
Surrogate: M3PFHxS	136 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	133 %	25-150
Surrogate: M6PFDA	138 %	25-150
Surrogate: M7PFUdA	122 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	89.8 %	25-150
Surrogate: M2PFTeDA	70.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	2.66 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	172 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	141 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	161 %	10-150
Surrogate: d3-N-MeFOSAA	188 %	25-150
Surrogate: d5-N-EtFOSAA	198 %	25-150
Surrogate: M2-6:2 FTS	288 %	25-200
Surrogate: M2-8:2 FTS	234 %	25-200
Surrogate: M9PFNA	117 %	25-150
Surrogate: M2-4:2 FTS	394 %	25-150
Surrogate: d-N-MeFOSA	106 %	25-150
Surrogate: d-N-EtFOSA	56.1 %	25-150
Surrogate: M3HFPO-DA	119 %	25-150
Surrogate: d9-N-EtFOSE	76.8 %	25-150
Surrogate: d7-N-MeFOSE	102 %	25-150



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 10:00 am	<u>Date Received</u> 07/27/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
50-29-3	4,4'-DDT [2C]	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:24	BCJ



### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 13:11	08/03/2023 12:24	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	87.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	116 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:45	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 13:11	08/03/2023 15:45	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	51.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 19:25	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 19:25	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/03/2023 19:25	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							





### Sample Information

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 82.4 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1.70		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-39-3	Barium	0.674		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-70-2	Calcium	390		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-47-3	Chromium	0.0109		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-48-4	Cobalt	0.00562		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7439-89-6	Iron	6.35		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7439-92-1	Lead	0.0512		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7439-95-4	Magnesium	37.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7439-96-5	Manganese	1.24		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-09-7	Potassium	47.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-23-5	Sodium	1280		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG
7440-66-6	Zinc	0.0447		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 13:46	CEG

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 10:00 am

07/27/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.282		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-39-3	Barium	0.681		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-70-2	Calcium	414		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7439-89-6	Iron	3.98		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7439-95-4	Magnesium	43.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7439-96-5	Manganese	1.23		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-09-7	Potassium	59.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-22-4	Silver	0.00646		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-23-5	Sodium	1370		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG
7440-66-6	Zinc	0.0305		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:10	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	2.41	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw
7440-38-2	Arsenic	9.71		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw



**Sample Information**

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 10:00 am	<u>Date Received</u> 07/27/2023
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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw
7782-49-2	Selenium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:19	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	2.52		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw
7440-38-2	Arsenic	6.34		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw
7782-49-2	Selenium	2.13		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:06	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:32	08/03/2023 08:32	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:09	08/04/2023 11:09	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW01\_072723

**York Sample ID:** 23G1635-01

York Project (SDG) No.  
23G1635

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 27, 2023 10:00 am

Date Received  
07/27/2023

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/27/2023 22:13	07/27/2023 22:34	SMK
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0109		mg/L	0.0100	1	Calculation	08/04/2023 07:23	08/07/2023 16:08	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/03/2023 14:37	08/03/2023 21:54	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	QL-02	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
78-93-3	<b>2-Butanone</b>	<b>0.470</b>		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
67-64-1	<b>Acetone</b>	<b>4.02</b>	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
124-48-1	Dibromochloromethane	ND	QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
98-82-8	<b>Isopropylbenzene</b>	<b>0.700</b>		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
103-65-1	<b>n-Propylbenzene</b>	<b>1.20</b>		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:52	08/04/2023 11:01	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:52	08/04/2023 11:01	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:52	08/04/2023 11:01	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.4 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.3 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH



**Sample Information**

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	08/07/2023 14:04	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	27.7 %									
13127-88-3	Surrogate: SURR: Phenol-d6	15.3 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.0 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.0 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	119 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.0 %									

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.24		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
208-96-8	Acenaphthylene	0.140		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
120-12-7	Anthracene	1.04		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
56-55-3	Benzo(a)anthracene	0.710		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
50-32-8	Benzo(a)pyrene	0.570		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
205-99-2	Benzo(b)fluoranthene	0.470		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
191-24-2	Benzo(g,h,i)perylene	0.340		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
207-08-9	Benzo(k)fluoranthene	0.450		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
117-81-7	Bis(2-ethylhexyl)phthalate	3.79		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
218-01-9	Chrysene	0.690		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
53-70-3	Dibenzo(a,h)anthracene	0.150		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
206-44-0	Fluoranthene	2.97		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
86-73-7	Fluorene	0.920		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.310		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
91-20-3	Naphthalene	1.58		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/30/2023 08:50	07/31/2023 21:44	KH



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	4.89		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH
129-00-0	Pyrene	2.68		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/30/2023 08:50	07/31/2023 21:44	KH

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/27/2023 20:12	08/02/2023 16:14	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.6 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.12		ng/L	0.460	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	32.4		ng/L	0.342	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	17.7		ng/L	0.695	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.17		ng/L	0.665	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	55.9		ng/L	0.411	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.802	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.509	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.734	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.861	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.724	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.675	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.773	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>47.7</b>		ng/L	0.225	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.861	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.890	1.87	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.29	1.89	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.04	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.01	7.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.323	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.489	3.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.09	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.245	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.362	3.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.744	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.75	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.16	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.35	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.685	7.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
919005-14-4	ADONA	ND		ng/L	0.519	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/03/2023 00:34	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.910	1.90	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.841	1.88	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.99	4.89	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.17	24.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.27	24.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.90	19.6	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.55	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.90	19.6	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.76	1.96	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/03/2023 00:34	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	117 %	25-150
Surrogate: M5PFHxA	163 %	25-150
Surrogate: M4PFHpA	133 %	25-150
Surrogate: M3PFHxS	124 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	138 %	25-150
Surrogate: M6PFDA	98.9 %	25-150
Surrogate: M7PFUdA	71.6 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	60.1 %	25-150
Surrogate: M2PFTeDA	42.3 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	3.93 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	144 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	156 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	110 %	10-150
Surrogate: d3-N-MeFOSAA	83.2 %	25-150
Surrogate: d5-N-EtFOSAA	90.7 %	25-150
Surrogate: M2-6:2 FTS	178 %	25-200
Surrogate: M2-8:2 FTS	99.8 %	25-200
Surrogate: M9PFNA	116 %	25-150
Surrogate: M2-4:2 FTS	301 %	25-150
Surrogate: d-N-MeFOSA	42.6 %	25-150
Surrogate: d-N-EtFOSA	27.2 %	25-150
Surrogate: M3HFPO-DA	129 %	25-150
Surrogate: d9-N-EtFOSE	44.9 %	25-150
Surrogate: d7-N-MeFOSE	67.3 %	25-150



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 2:00 pm	<u>Date Received</u> 07/27/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 12:42	BCJ



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 13:11	08/03/2023 12:42	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	72.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.6 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 15:58	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 13:11	08/03/2023 15:58	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	92.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:05	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:05	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:05	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 2:00 pm	<u>Date Received</u> 07/27/2023
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**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 29.4 %		S-04, S-08		30-150					

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.136		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-39-3	Barium	0.997		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-70-2	Calcium	407		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-47-3	Chromium	0.00618		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7439-89-6	Iron	24.6		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7439-95-4	Magnesium	86.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7439-96-5	Manganese	5.81		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-09-7	Potassium	70.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-23-5	Sodium	1080		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG
7440-66-6	Zinc	0.0368		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 08:58	08/07/2023 14:02	CEG

**Metals, Target Analyte, ICP Dissolved**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:00 pm

07/27/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.190		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-39-3	Barium	0.958		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-70-2	Calcium	458		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7439-95-4	Magnesium	98.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7439-96-5	Manganese	5.59		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-09-7	Potassium	87.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-23-5	Sodium	1140		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG
7440-66-6	Zinc	0.0295		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:41	08/04/2023 15:13	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw
7440-38-2	Arsenic	20.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw



**Sample Information**

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 2:00 pm	<u>Date Received</u> 07/27/2023
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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw
7782-49-2	Selenium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 09:02	08/03/2023 17:23	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw
7440-38-2	Arsenic	21.8		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw
7782-49-2	Selenium	1.82		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:37	08/04/2023 15:20	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0004		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:32	08/03/2023 08:32	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:09	08/04/2023 11:09	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW06\_072723

**York Sample ID:** 23G1635-02

<u>York Project (SDG) No.</u> 23G1635	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2023 2:00 pm	<u>Date Received</u> 07/27/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/27/2023 22:13	07/27/2023 22:34	SMK
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	08/04/2023 07:23	08/07/2023 16:08	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/03/2023 14:37	08/03/2023 21:54	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** GWTB03\_072723

**York Sample ID:** 23G1635-03

York Project (SDG) No.  
23G1635

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 27, 2023 3:30 pm

Date Received  
07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG



### Sample Information

**Client Sample ID:** GWTB03\_072723

**York Sample ID:** 23G1635-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 3:30 pm

07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
67-64-1	<b>Acetone</b>	<b>2.90</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-25-2	Bromoform	ND	QL-02, CCVE	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG



### Sample Information

**Client Sample ID:** GWTB03\_072723

**York Sample ID:** 23G1635-03

York Project (SDG) No.  
23G1635

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 27, 2023 3:30 pm

Date Received  
07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
75-09-2	<b>Methylene chloride</b>	<b>2.47</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 06:45	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG



**Sample Information**

**Client Sample ID:** GWTB03\_072723

**York Sample ID:** 23G1635-03

York Project (SDG) No.  
23G1635

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 27, 2023 3:30 pm

Date Received  
07/27/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 06:45	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 06:45	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.6 %	79-122								



### Sample Information

**Client Sample ID:** GWECFB03\_072723

**York Sample ID:** 23G1635-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:10 pm

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.469	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.349	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.708	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.678	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.419	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.818	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.519	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.748	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.878	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.738	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.688	1.99	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.788	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.229	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.878	1.99	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.907	1.90	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.92	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.329	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ



### Sample Information

**Client Sample ID:** GWECFB03\_072723

**York Sample ID:** 23G1635-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:10 pm

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.499	3.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.13	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.369	3.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.758	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.22	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.698	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
919005-14-4	ADONA	ND		ng/L	0.529	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 10:51	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.927	1.93	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.858	1.91	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.99	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.31	24.9	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.44	24.9	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.98	19.9	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	1.99	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.98	19.9	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 10:51	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

106 %

25-150

Surrogate: M5PFHxA

94.6 %

25-150

Surrogate: M4PFHpA

82.7 %

25-150

Surrogate: M3PFHxS

95.1 %

25-150



**Sample Information**

**Client Sample ID:** GWECFB03\_072723

**York Sample ID:** 23G1635-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1635

170758101

Water

July 27, 2023 2:10 pm

07/27/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	110 %			25-150						
	Surrogate: M6PFDA	135 %			25-150						
	Surrogate: M7PFUdA	130 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	131 %			25-150						
	Surrogate: M2PFTeDA	76.2 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	1.01 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	116 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	19.7 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	112 %			10-150						
	Surrogate: d3-N-MeFOSAA	104 %			25-150						
	Surrogate: d5-N-EtFOSAA	101 %			25-150						
	Surrogate: M2-6:2 FTS	77.7 %			25-200						
	Surrogate: M2-8:2 FTS	74.0 %			25-200						
	Surrogate: M9PFNA	83.3 %			25-150						
	Surrogate: M2-4:2 FTS	105 %			25-150						
	Surrogate: d-N-MeFOSA	135 %			25-150						
	Surrogate: d-N-EtFOSA	106 %			25-150						
	Surrogate: M3HFPO-DA	98.4 %			25-150						
	Surrogate: d9-N-EtFOSE	54.1 %			25-150						
	Surrogate: d7-N-MeFOSE	77.1 %			25-150						





### Analytical Batch Summary

**Batch ID:** BG31612      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	07/27/23
23G1635-02	RIMW06_072723	07/27/23
BG31612-BLK1	Blank	07/27/23
BG31612-BS1	LCS	07/27/23
BG31612-MS1	Matrix Spike	07/27/23
BG31612-MSD1	Matrix Spike Dup	07/27/23

**Batch ID:** BG31619      **Preparation Method:** Analysis Preparation      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	07/27/23
23G1635-02	RIMW06_072723	07/27/23
BG31619-BLK1	Blank	07/27/23
BG31619-BS1	LCS	07/27/23
BG31619-DUP1	Duplicate	07/27/23
BG31619-MS1	Matrix Spike	07/27/23
BG31619-MSD1	Matrix Spike Dup	07/27/23

**Batch ID:** BG31686      **Preparation Method:** EPA 3510C      **Prepared By:** JG

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	07/29/23
BG31686-BLK1	Blank	07/29/23
BG31686-BLK2	Blank	07/29/23
BG31686-BS1	LCS	07/29/23
BG31686-BS2	LCS	07/29/23
BG31686-BSD1	LCS Dup	07/29/23

**Batch ID:** BG31687      **Preparation Method:** EPA 3510C      **Prepared By:** SS

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-02	RIMW06_072723	07/30/23
BG31687-BLK1	Blank	07/30/23
BG31687-BS1	LCS	07/30/23
BG31687-BSD1	LCS Dup	07/30/23

**Batch ID:** BG31810      **Preparation Method:** EPA 3510C      **Prepared By:** S\_S

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/01/23
23G1635-01	RIMW01_072723	08/01/23
23G1635-02	RIMW06_072723	08/01/23
23G1635-02	RIMW06_072723	08/01/23



BG31810-BLK1	Blank	08/01/23
BG31810-BLK2	Blank	08/01/23
BG31810-BS1	LCS	08/01/23
BG31810-BS2	LCS	08/01/23
BG31810-BSD1	LCS Dup	08/01/23
BG31810-BSD2	LCS Dup	08/01/23

**Batch ID:** BG31811      **Preparation Method:** EPA 8151A      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/01/23
23G1635-02	RIMW06_072723	08/01/23
BG31811-BLK1	Blank	08/01/23
BG31811-BLK2	Blank	08/01/23
BG31811-BS1	LCS	08/01/23
BG31811-MRL1	MRL Check	08/01/23
BG31811-MRL2	MRL Check	08/01/23
BG31811-MS1	Matrix Spike	08/01/23
BG31811-MSD1	Matrix Spike Dup	08/01/23

**Batch ID:** BH30021      **Preparation Method:** EPA 1633 Prep      **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/01/23
23G1635-02	RIMW06_072723	08/01/23
BH30021-BLK1	Blank	08/01/23
BH30021-BS1	LCS	08/01/23
BH30021-BS2	LCS	08/01/23
BH30021-DUP1	Duplicate	08/01/23

**Batch ID:** BH30096      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/02/23
23G1635-02	RIMW06_072723	08/02/23
BH30096-BLK1	Blank	08/02/23
BH30096-BS1	LCS	08/02/23
BH30096-DUP1	Duplicate	08/02/23
BH30096-MS1	Matrix Spike	08/02/23
BH30096-PS1	Post Spike	08/02/23

**Batch ID:** BH30100      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/02/23
23G1635-02	RIMW06_072723	08/02/23
BH30100-BLK1	Blank	08/02/23
BH30100-BS1	LCS	08/02/23
BH30100-DUP1	Duplicate	08/02/23



BH30100-MS1 Matrix Spike 08/02/23

Batch ID: BH30175 Preparation Method: EPA SW846-7470A Prepared By: PFA

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1635-01, 23G1635-02, BH30175-BLK1, BH30175-BLK2, BH30175-BS1, BH30175-BS2.

Batch ID: BH30177 Preparation Method: EPA 3015A Prepared By: AD2

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1635-01, 23G1635-02, BH30177-BLK1, BH30177-BS1, BH30177-DUP1, BH30177-MS1.

Batch ID: BH30178 Preparation Method: EPA 3015A Prepared By: AD2

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1635-01, 23G1635-02, BH30178-BLK1, BH30178-BS1, BH30178-DUP1, BH30178-MS1, BH30178-PS1.

Batch ID: BH30197 Preparation Method: EPA 5030B Prepared By: JTG

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1635-03, BH30197-BLK1, BH30197-BS1, BH30197-BSD1.

Batch ID: BH30201 Preparation Method: EPA 5030B Prepared By: JTG

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 23G1635-01, 23G1635-02, BH30201-BLK1, BH30201-BS1.



BH30201-BSD1

LCS Dup

08/03/23

**Batch ID:** BH30209

**Preparation Method:** Analysis Preparation

**Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/03/23
23G1635-02	RIMW06_072723	08/03/23
BH30209-BLK1	Blank	08/03/23
BH30209-BS1	LCS	08/03/23
BH30209-DUP1	Duplicate	08/03/23
BH30209-MS1	Matrix Spike	08/03/23
BH30209-MSD1	Matrix Spike Dup	08/03/23

**Batch ID:** BH30244

**Preparation Method:** Analysis Preparation

**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/04/23
23G1635-02	RIMW06_072723	08/04/23

**Batch ID:** BH30270

**Preparation Method:** EPA 1633 Prep

**Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-04	GWECFB03_072723	08/04/23
BH30270-BLK1	Blank	08/04/23
BH30270-BS1	LCS	08/04/23
BH30270-BS2	LCS	08/04/23

**Batch ID:** BH30274

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1635-01	RIMW01_072723	08/04/23
23G1635-02	RIMW06_072723	08/04/23
BH30274-BLK1	Blank	08/04/23
BH30274-BS1	LCS	08/04/23
BH30274-DUP1	Duplicate	08/04/23
BH30274-MS1	Matrix Spike	08/04/23
BH30274-MSD1	Matrix Spike Dup	08/04/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

**Blank (BH30197-BLK1) Blank** Prepared: 08/01/2023 Analyzed: 08/02/2023

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



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

<b>Blank (BH30197-BLK1)</b>		<b>Blank</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURRE: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.61		"	10.0		96.1	79-122				

<b>LCS (BH30197-BS1)</b>		<b>LCS</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	8.87		"	10.0		88.7	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	7.06		"	10.0		70.6	45-147				
1,2-Dibromoethane	8.73		"	10.0		87.3	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	180		"	210		85.8	10-349				
2-Butanone	8.39		"	10.0		83.9	49-152				
2-Hexanone	6.71		"	10.0		67.1	51-146				
4-Methyl-2-pentanone	6.59		"	10.0		65.9	57-145				
Acetone	8.21		"	10.0		82.1	14-150				
Acrolein	8.01		"	10.0		80.1	10-153				
Acrylonitrile	8.03		"	10.0		80.3	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	9.87		"	10.0		98.7	77-128				
Bromodichloromethane	8.34		"	10.0		83.4	79-128				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS (BH30197-BS1)</b>	<b>LCS</b>								Prepared: 08/01/2023 Analyzed: 08/02/2023		
Bromoform	6.94		ug/L	10.0		69.4	78-133	Low Bias			
Bromomethane	8.34		"	10.0		83.4	43-168				
Carbon disulfide	9.63		"	10.0		96.3	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.87		"	10.0		98.7	88-120				
Chloroethane	11.4		"	10.0		114	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	80-131	Low Bias			
Cyclohexane	4.82		"	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	8.37		"	10.0		83.7	80-130				
Dibromomethane	8.68		"	10.0		86.8	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	7.78		"	10.0		77.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.19		"	10.0		81.9	76-135				
Methylcyclohexane	9.31		"	10.0		93.1	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	9.92		"	10.0		99.2	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.86		"	10.0		98.6	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	21.5		"	50.0		43.0	25-162				
tert-Butylbenzene	8.62		"	10.0		86.2	77-138				
Tetrachloroethylene	9.84		"	10.0		98.4	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	7.05		"	10.0		70.5	78-131	Low Bias			
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	14.4		"	10.0		144	67-139	High Bias			
Vinyl Chloride	11.7		"	10.0		117	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.65</i>		<i>"</i>	<i>10.0</i>		<i>96.5</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
LCS Dup (BH30197-BSD1)	LCS Dup										Prepared: 08/01/2023 Analyzed: 08/02/2023
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		0.107	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		6.08	30	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		5.11	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		1.03	30	
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129		2.46	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.48	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136		0.795	30	
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		0.875	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		1.34	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.782	30	
1,2-Dibromo-3-chloropropane	7.38		"	10.0		73.8	45-147		4.43	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.229	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.299	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		3.93	30	
1,2-Dichloropropane	9.21		"	10.0		92.1	78-126		1.20	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		1.34	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		0.696	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.304	30	
1,4-Dioxane	187		"	210		89.0	10-349		3.70	30	
2-Butanone	8.41		"	10.0		84.1	49-152		0.238	30	
2-Hexanone	6.58		"	10.0		65.8	51-146		1.96	30	
4-Methyl-2-pentanone	6.67		"	10.0		66.7	57-145		1.21	30	
Acetone	8.27		"	10.0		82.7	14-150		0.728	30	
Acrolein	8.30		"	10.0		83.0	10-153		3.56	30	
Acrylonitrile	8.16		"	10.0		81.6	51-150		1.61	30	
Benzene	10.3		"	10.0		103	85-126		1.25	30	
Bromochloromethane	9.85		"	10.0		98.5	77-128		0.203	30	
Bromodichloromethane	8.16		"	10.0		81.6	79-128		2.18	30	
Bromoform	6.91		"	10.0		69.1	78-133	Low Bias	0.433	30	
Bromomethane	8.80		"	10.0		88.0	43-168		5.37	30	
Carbon disulfide	9.40		"	10.0		94.0	68-146		2.42	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		5.83	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		0.406	30	
Chloroethane	11.2		"	10.0		112	65-136		1.78	30	
Chloroform	9.99		"	10.0		99.9	82-128		3.06	30	
Chloromethane	11.0		"	10.0		110	43-155		1.00	30	
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129		3.09	30	
cis-1,3-Dichloropropylene	7.55		"	10.0		75.5	80-131	Low Bias	0.265	30	
Cyclohexane	4.58		"	10.0		45.8	63-149	Low Bias	5.11	30	
Dibromochloromethane	8.25		"	10.0		82.5	80-130		1.44	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		0.460	30	
Dichlorodifluoromethane	14.0		"	10.0		140	44-144		4.40	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	7.40		"	10.0		74.0	67-146		5.01	30	
Isopropylbenzene	9.90		"	10.0		99.0	76-140		1.20	30	
Methyl acetate	7.88		"	10.0		78.8	51-139		2.26	30	
Methyl tert-butyl ether (MTBE)	8.26		"	10.0		82.6	76-135		0.851	30	
Methylcyclohexane	8.94		"	10.0		89.4	72-143		4.05	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		1.80	30	
n-Butylbenzene	9.70		"	10.0		97.0	79-132		2.24	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS Dup (BH30197-bsd1)</b>	<b>LCS Dup</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
n-Propylbenzene	9.76		ug/L	10.0		97.6	78-133			2.53	30
o-Xylene	9.73		"	10.0		97.3	78-130			2.74	30
p- & m- Xylenes	20.1		"	20.0		100	77-133			2.12	30
p-Isopropyltoluene	10.2		"	10.0		102	81-136			0.195	30
sec-Butylbenzene	9.71		"	10.0		97.1	79-137			1.53	30
Styrene	9.63		"	10.0		96.3	67-132			2.06	30
tert-Butyl alcohol (TBA)	22.3		"	50.0		44.5	25-162			3.52	30
tert-Butylbenzene	8.57		"	10.0		85.7	77-138			0.582	30
Tetrachloroethylene	9.25		"	10.0		92.5	82-131			6.18	30
Toluene	9.59		"	10.0		95.9	80-127			2.37	30
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132			3.34	30
trans-1,3-Dichloropropylene	6.92		"	10.0		69.2	78-131	Low Bias		1.86	30
Trichloroethylene	9.23		"	10.0		92.3	82-128			2.67	30
Trichlorofluoromethane	13.6		"	10.0		136	67-139			5.85	30
Vinyl Chloride	11.4		"	10.0		114	58-145			3.04	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.93		"	10.0		99.3	69-130				
Surrogate: SURR: Toluene-d8	9.77		"	10.0		97.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

<b>Batch BH30201 - EPA 5030B</b>											
<b>Blank (BH30201-BLK1)</b>	<b>Blank</b>	Prepared: 08/03/2023 Analyzed: 08/04/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30201 - EPA 5030B**

**Blank (BH30201-BLK1) Blank** Prepared: 08/03/2023 Analyzed: 08/04/2023

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	9.33		"	10.0		93.3	69-130				
<i>Surrogate: Surr: Toluene-d8</i>	9.59		"	10.0		95.9	81-117				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	9.67		"	10.0		96.7	79-122				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
<b>Batch BH30201 - EPA 5030B</b>												
<b>LCS (BH30201-BS1)</b>	<b>LCS</b>	Prepared: 08/03/2023 Analyzed: 08/04/2023										
1,1,1,2-Tetrachloroethane	9.07		ug/L	10.0		90.7		82-126				
1,1,1-Trichloroethane	9.35		"	10.0		93.5		78-136				
1,1,2,2-Tetrachloroethane	8.87		"	10.0		88.7		76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106		54-165				
1,1,2-Trichloroethane	8.73		"	10.0		87.3		82-123				
1,1-Dichloroethane	9.67		"	10.0		96.7		82-129				
1,1-Dichloroethylene	9.94		"	10.0		99.4		68-138				
1,2,3-Trichlorobenzene	8.32		"	10.0		83.2		76-136				
1,2,3-Trichloropropane	8.84		"	10.0		88.4		77-128				
1,2,4-Trichlorobenzene	8.58		"	10.0		85.8		76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100		82-132				
1,2-Dibromo-3-chloropropane	6.65		"	10.0		66.5		45-147				
1,2-Dibromoethane	8.69		"	10.0		86.9		83-124				
1,2-Dichlorobenzene	9.95		"	10.0		99.5		79-123				
1,2-Dichloroethane	9.25		"	10.0		92.5		73-132				
1,2-Dichloropropane	9.18		"	10.0		91.8		78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104		80-131				
1,3-Dichlorobenzene	9.89		"	10.0		98.9		86-122				
1,4-Dichlorobenzene	9.88		"	10.0		98.8		85-124				
1,4-Dioxane	192		"	210		91.3		10-349				
2-Butanone	8.44		"	10.0		84.4		49-152				
2-Hexanone	6.60		"	10.0		66.0		51-146				
4-Methyl-2-pentanone	6.56		"	10.0		65.6		57-145				
Acetone	7.34		"	10.0		73.4		14-150				
Acrolein	8.09		"	10.0		80.9		10-153				
Acrylonitrile	8.49		"	10.0		84.9		51-150				
Benzene	10.5		"	10.0		105		85-126				
Bromochloromethane	9.58		"	10.0		95.8		77-128				
Bromodichloromethane	7.88		"	10.0		78.8		79-128			Low Bias	
Bromoform	6.62		"	10.0		66.2		78-133			Low Bias	
Bromomethane	10.0		"	10.0		100		43-168				
Carbon disulfide	9.01		"	10.0		90.1		68-146				
Carbon tetrachloride	9.65		"	10.0		96.5		77-141				
Chlorobenzene	9.85		"	10.0		98.5		88-120				
Chloroethane	10.4		"	10.0		104		65-136				
Chloroform	9.76		"	10.0		97.6		82-128				
Chloromethane	9.88		"	10.0		98.8		43-155				
cis-1,2-Dichloroethylene	9.76		"	10.0		97.6		83-129				
cis-1,3-Dichloropropylene	7.90		"	10.0		79.0		80-131			Low Bias	
Cyclohexane	4.80		"	10.0		48.0		63-149			Low Bias	
Dibromochloromethane	7.98		"	10.0		79.8		80-130			Low Bias	
Dibromomethane	8.43		"	10.0		84.3		72-134				
Dichlorodifluoromethane	9.22		"	10.0		92.2		44-144				
Ethyl Benzene	10.1		"	10.0		101		80-131				
Hexachlorobutadiene	6.63		"	10.0		66.3		67-146			Low Bias	
Isopropylbenzene	10.0		"	10.0		100		76-140				
Methyl acetate	8.44		"	10.0		84.4		51-139				
Methyl tert-butyl ether (MTBE)	7.96		"	10.0		79.6		76-135				
Methylcyclohexane	9.40		"	10.0		94.0		72-143				
Methylene chloride	9.69		"	10.0		96.9		55-137				
n-Butylbenzene	9.61		"	10.0		96.1		79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30201 - EPA 5030B</b>											
<b>LCS (BH30201-BS1)</b>	<b>LCS</b>										Prepared: 08/03/2023 Analyzed: 08/04/2023
n-Propylbenzene	9.95		ug/L	10.0		99.5	78-133				
o-Xylene	9.76		"	10.0		97.6	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	9.71		"	10.0		97.1	79-137				
Styrene	9.65		"	10.0		96.5	67-132				
tert-Butyl alcohol (TBA)	22.2		"	50.0		44.4	25-162				
tert-Butylbenzene	8.49		"	10.0		84.9	77-138				
Tetrachloroethylene	9.68		"	10.0		96.8	82-131				
Toluene	9.85		"	10.0		98.5	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	7.25		"	10.0		72.5	78-131	Low Bias			
Trichloroethylene	9.26		"	10.0		92.6	82-128				
Trichlorofluoromethane	12.0		"	10.0		120	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.42		"	10.0		94.2	69-130				
Surrogate: SURR: Toluene-d8	9.61		"	10.0		96.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.81		"	10.0		98.1	79-122				
<b>LCS Dup (BH30201-BSD1)</b>	<b>LCS Dup</b>										Prepared: 08/03/2023 Analyzed: 08/04/2023
1,1,1,2-Tetrachloroethane	8.81		ug/L	10.0		88.1	82-126		2.91	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		4.60	30	
1,1,2,2-Tetrachloroethane	8.97		"	10.0		89.7	76-129		1.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		5.71	30	
1,1,2-Trichloroethane	8.76		"	10.0		87.6	82-123		0.343	30	
1,1-Dichloroethane	9.34		"	10.0		93.4	82-129		3.47	30	
1,1-Dichloroethylene	9.53		"	10.0		95.3	68-138		4.21	30	
1,2,3-Trichlorobenzene	7.99		"	10.0		79.9	76-136		4.05	30	
1,2,3-Trichloropropane	8.99		"	10.0		89.9	77-128		1.68	30	
1,2,4-Trichlorobenzene	8.30		"	10.0		83.0	76-137		3.32	30	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	82-132		3.03	30	
1,2-Dibromo-3-chloropropane	6.67		"	10.0		66.7	45-147		0.300	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.230	30	
1,2-Dichlorobenzene	9.64		"	10.0		96.4	79-123		3.16	30	
1,2-Dichloroethane	9.01		"	10.0		90.1	73-132		2.63	30	
1,2-Dichloropropane	9.24		"	10.0		92.4	78-126		0.651	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131		3.81	30	
1,3-Dichlorobenzene	9.80		"	10.0		98.0	86-122		0.914	30	
1,4-Dichlorobenzene	9.68		"	10.0		96.8	85-124		2.04	30	
1,4-Dioxane	199		"	210		94.9	10-349		3.93	30	
2-Butanone	8.61		"	10.0		86.1	49-152		1.99	30	
2-Hexanone	6.63		"	10.0		66.3	51-146		0.454	30	
4-Methyl-2-pentanone	6.66		"	10.0		66.6	57-145		1.51	30	
Acetone	7.82		"	10.0		78.2	14-150		6.33	30	
Acrolein	7.73		"	10.0		77.3	10-153		4.55	30	
Acrylonitrile	8.41		"	10.0		84.1	51-150		0.947	30	
Benzene	10.2		"	10.0		102	85-126		2.89	30	
Bromochloromethane	9.34		"	10.0		93.4	77-128		2.54	30	
Bromodichloromethane	7.76		"	10.0		77.6	79-128	Low Bias	1.53	30	
Bromoform	6.51		"	10.0		65.1	78-133	Low Bias	1.68	30	
Bromomethane	10.5		"	10.0		105	43-168		4.96	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30201 - EPA 5030B</b>											
<b>LCS Dup (BH30201-bsd1)</b>	<b>LCS Dup</b>	Prepared: 08/03/2023 Analyzed: 08/04/2023									
Carbon disulfide	8.52		ug/L	10.0		85.2	68-146		5.59	30	
Carbon tetrachloride	9.17		"	10.0		91.7	77-141		5.10	30	
Chlorobenzene	9.58		"	10.0		95.8	88-120		2.78	30	
Chloroethane	10.0		"	10.0		100	65-136		3.91	30	
Chloroform	9.42		"	10.0		94.2	82-128		3.55	30	
Chloromethane	9.72		"	10.0		97.2	43-155		1.63	30	
cis-1,2-Dichloroethylene	9.40		"	10.0		94.0	83-129		3.76	30	
cis-1,3-Dichloropropylene	7.78		"	10.0		77.8	80-131	Low Bias	1.53	30	
Cyclohexane	4.53		"	10.0		45.3	63-149	Low Bias	5.79	30	
Dibromochloromethane	7.93		"	10.0		79.3	80-130	Low Bias	0.629	30	
Dibromomethane	8.51		"	10.0		85.1	72-134		0.945	30	
Dichlorodifluoromethane	8.66		"	10.0		86.6	44-144		6.26	30	
Ethyl Benzene	9.79		"	10.0		97.9	80-131		3.22	30	
Hexachlorobutadiene	6.08		"	10.0		60.8	67-146	Low Bias	8.65	30	
Isopropylbenzene	9.68		"	10.0		96.8	76-140		3.55	30	
Methyl acetate	8.66		"	10.0		86.6	51-139		2.57	30	
Methyl tert-butyl ether (MTBE)	7.76		"	10.0		77.6	76-135		2.54	30	
Methylcyclohexane	8.89		"	10.0		88.9	72-143		5.58	30	
Methylene chloride	9.42		"	10.0		94.2	55-137		2.83	30	
n-Butylbenzene	9.16		"	10.0		91.6	79-132		4.79	30	
n-Propylbenzene	9.65		"	10.0		96.5	78-133		3.06	30	
o-Xylene	9.45		"	10.0		94.5	78-130		3.23	30	
p- & m- Xylenes	19.5		"	20.0		97.4	77-133		3.48	30	
p-Isopropyltoluene	9.80		"	10.0		98.0	81-136		3.51	30	
sec-Butylbenzene	9.31		"	10.0		93.1	79-137		4.21	30	
Styrene	9.52		"	10.0		95.2	67-132		1.36	30	
tert-Butyl alcohol (TBA)	24.8		"	50.0		49.6	25-162		10.9	30	
tert-Butylbenzene	8.27		"	10.0		82.7	77-138		2.63	30	
Tetrachloroethylene	9.39		"	10.0		93.9	82-131		3.04	30	
Toluene	9.55		"	10.0		95.5	80-127		3.09	30	
trans-1,2-Dichloroethylene	9.65		"	10.0		96.5	80-132		4.26	30	
trans-1,3-Dichloropropylene	7.07		"	10.0		70.7	78-131	Low Bias	2.51	30	
Trichloroethylene	9.02		"	10.0		90.2	82-128		2.63	30	
Trichlorofluoromethane	11.3		"	10.0		113	67-139		6.27	30	
Vinyl Chloride	9.89		"	10.0		98.9	58-145		2.99	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.24</i>		<i>"</i>	<i>10.0</i>		<i>92.4</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.83</i>		<i>"</i>	<i>10.0</i>		<i>98.3</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.92</i>		<i>"</i>	<i>10.0</i>		<i>99.2</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31686 - EPA 3510C

Blank (BG31686-BLK1) Blank

Prepared: 07/29/2023 Analyzed: 08/01/2023

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31686 - EPA 3510C**

**Blank (BG31686-BLK1) Blank** Prepared: 07/29/2023 Analyzed: 08/01/2023

Surrogate: SURR: 2-Fluorophenol	17.6		ug/L	50.0		35.3	19.7-63.1				
Surrogate: SURR: Phenol-d6	8.08		"	50.0		16.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.3		"	25.0		77.1	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.7		"	25.0		75.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	54.8		"	50.0		110	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.7		"	25.0		86.9	30.7-106				

**Blank (BG31686-BLK2) Blank** Prepared: 07/29/2023 Analyzed: 08/01/2023

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	0.580	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.0500	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31686 - EPA 3510C</b>											
<b>LCS (BG31686-BS1)</b>	<b>LCS</b>	Prepared: 07/29/2023 Analyzed: 08/01/2023									
1,1-Biphenyl	10.7	5.00	ug/L	25.0		42.9	33-95				
1,2,4,5-Tetrachlorobenzene	17.1	5.00	"	25.0		68.2	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	9.35	5.00	"	25.0		37.4	16-141				
2,3,4,6-Tetrachlorophenol	14.6	5.00	"	25.0		58.4	30-130				
2,4,5-Trichlorophenol	13.7	5.00	"	25.0		54.7	32-114				
2,4,6-Trichlorophenol	11.7	5.00	"	25.0		46.9	35-118				
2,4-Dichlorophenol	14.1	5.00	"	25.0		56.4	25-116				
2,4-Dimethylphenol	9.29	5.00	"	25.0		37.2	15-116				
2,4-Dinitrophenol	22.1	5.00	"	25.0		88.5	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		63.0	41-128				
2,6-Dinitrotoluene	15.1	5.00	"	25.0		60.4	45-116				
2-Chloronaphthalene	11.4	5.00	"	25.0		45.4	33-112				
2-Chlorophenol	10.6	5.00	"	25.0		42.3	15-120				
2-Methylnaphthalene	13.1	5.00	"	25.0		52.4	24-118				
2-Methylphenol	8.69	5.00	"	25.0		34.8	10-110				
2-Nitroaniline	12.6	5.00	"	25.0		50.4	34-129				
2-Nitrophenol	14.7	5.00	"	25.0		58.8	28-118				
3- & 4-Methylphenols	6.84	5.00	"	25.0		27.4	10-107				
3,3-Dichlorobenzidine	7.81	5.00	"	25.0		31.2	15-187				
3-Nitroaniline	11.3	5.00	"	25.0		45.2	24-134				
4,6-Dinitro-2-methylphenol	23.9	5.00	"	25.0		95.7	10-153				
4-Bromophenyl phenyl ether	13.1	5.00	"	25.0		52.4	34-120				
4-Chloro-3-methylphenol	13.7	5.00	"	25.0		54.7	20-120				
4-Chloroaniline	9.59	5.00	"	25.0		38.4	10-147				
4-Chlorophenyl phenyl ether	12.7	5.00	"	25.0		50.8	27-121				
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias			
4-Nitrophenol	18.2	5.00	"	25.0		72.7	10-131				
Acetophenone	12.7	5.00	"	25.0		50.9	25-110				
Aniline	4.24	5.00	"	25.0		17.0	10-117				
Benzaldehyde	10.6	5.00	"	25.0		42.6	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	6.55	5.00	"	25.0		26.2	10-117				
Benzyl butyl phthalate	10.6	5.00	"	25.0		42.5	29-133				
Bis(2-chloroethoxy)methane	12.0	5.00	"	25.0		47.8	10-154				
Bis(2-chloroethyl)ether	10.5	5.00	"	25.0		42.0	17-125				
Bis(2-chloroisopropyl)ether	8.55	5.00	"	25.0		34.2	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	11.2	5.00	"	25.0		44.6	42-126				
Dibenzofuran	12.2	5.00	"	25.0		48.8	36-113				
Diethyl phthalate	12.3	5.00	"	25.0		49.2	38-115				
Dimethyl phthalate	12.4	5.00	"	25.0		49.7	38-129				
Di-n-butyl phthalate	11.1	5.00	"	25.0		44.5	31-120				
Di-n-octyl phthalate	10.9	5.00	"	25.0		43.6	21-149				
Diphenylamine	13.0	5.00	"	25.0		51.8	40-140				
Hexachlorocyclopentadiene	6.76	10.0	"	25.0		27.0	10-130				
Isophorone	11.6	5.00	"	25.0		46.6	25-127				
N-nitroso-di-n-propylamine	9.93	5.00	"	25.0		39.7	26-122				
N-Nitrosodiphenylamine	12.4	5.00	"	25.0		49.6	23-149				
Phenol	3.65	5.00	"	25.0		14.6	10-110				
Pyridine	4.01	5.00	"	25.5		15.7	10-90				
Surrogate: SURR: 2-Fluorophenol	15.6		"	50.0		31.1	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31686 - EPA 3510C

LCS (BG31686-BS1) LCS Prepared: 07/29/2023 Analyzed: 08/01/2023

Surrogate: SURR: Phenol-d6	8.04		ug/L	50.0		16.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.9		"	25.0		63.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.3		"	25.0		61.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	45.3		"	50.0		90.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.9		"	25.0		71.7	30.7-106				

LCS (BG31686-BS2) LCS Prepared: 07/29/2023 Analyzed: 08/01/2023

Acenaphthene	0.600	0.0500	ug/L	1.00		60.0	25-116				
Acenaphthylene	0.670	0.0500	"	1.00		67.0	26-116				
Anthracene	0.760	0.0500	"	1.00		76.0	25-123				
Benzo(a)anthracene	0.710	0.0500	"	1.00		71.0	33-125				
Benzo(a)pyrene	0.660	0.0500	"	1.00		66.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.870	0.0500	"	1.00		87.0	10-138				
Benzo(k)fluoranthene	0.690	0.0500	"	1.00		69.0	20-137				
Bis(2-ethylhexyl)phthalate	1.44	0.500	"	1.00		144	10-189				
Chrysene	0.670	0.0500	"	1.00		67.0	32-124				
Dibenzo(a,h)anthracene	0.910	0.0500	"	1.00		91.0	16-133				
Fluoranthene	0.810	0.0500	"	1.00		81.0	32-121				
Fluorene	0.680	0.0500	"	1.00		68.0	28-118				
Hexachlorobenzene	0.830	0.0200	"	1.00		83.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachloroethane	2.84	0.500	"	1.00		284	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.910	0.0500	"	1.00		91.0	15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0	18-120				
Nitrobenzene	0.740	0.250	"	1.00		74.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.13	0.250	"	1.00		113	10-156				
Phenanthrene	0.720	0.0500	"	1.00		72.0	24-127				
Pyrene	0.650	0.0500	"	1.00		65.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31686 - EPA 3510C</b>											
<b>LCS Dup (BG31686-bsd1)</b>	<b>LCS Dup</b>	Prepared: 07/29/2023 Analyzed: 08/01/2023									
1,1-Biphenyl	12.3	5.00	ug/L	25.0		49.2	33-95		13.6	20	
1,2,4,5-Tetrachlorobenzene	19.1	5.00	"	25.0		76.4	26-120		11.3	20	
1,2-Diphenylhydrazine (as Azobenzene)	10.4	5.00	"	25.0		41.6	16-141		10.5	20	
2,3,4,6-Tetrachlorophenol	16.0	5.00	"	25.0		64.0	30-130		9.09	20	
2,4,5-Trichlorophenol	15.7	5.00	"	25.0		62.8	32-114		13.7	20	
2,4,6-Trichlorophenol	13.5	5.00	"	25.0		54.0	35-118		14.0	20	
2,4-Dichlorophenol	16.1	5.00	"	25.0		64.5	25-116		13.4	20	
2,4-Dimethylphenol	9.71	5.00	"	25.0		38.8	15-116		4.42	20	
2,4-Dinitrophenol	24.5	5.00	"	25.0		98.0	10-170		10.2	20	
2,4-Dinitrotoluene	17.5	5.00	"	25.0		70.2	41-128		10.8	20	
2,6-Dinitrotoluene	17.0	5.00	"	25.0		67.9	45-116		11.8	20	
2-Chloronaphthalene	12.7	5.00	"	25.0		50.8	33-112		11.1	20	
2-Chlorophenol	12.2	5.00	"	25.0		48.7	15-120		14.1	20	
2-Methylnaphthalene	14.5	5.00	"	25.0		58.0	24-118		10.3	20	
2-Methylphenol	9.73	5.00	"	25.0		38.9	10-110		11.3	20	
2-Nitroaniline	14.4	5.00	"	25.0		57.4	34-129		12.9	20	
2-Nitrophenol	17.2	5.00	"	25.0		68.6	28-118		15.5	20	
3- & 4-Methylphenols	8.09	5.00	"	25.0		32.4	10-107		16.7	20	
3,3-Dichlorobenzidine	8.39	5.00	"	25.0		33.6	15-187		7.16	20	
3-Nitroaniline	13.1	5.00	"	25.0		52.6	24-134		15.0	20	
4,6-Dinitro-2-methylphenol	27.9	5.00	"	25.0		112	10-153		15.4	20	
4-Bromophenyl phenyl ether	14.4	5.00	"	25.0		57.5	34-120		9.24	20	
4-Chloro-3-methylphenol	15.1	5.00	"	25.0		60.5	20-120		10.1	20	
4-Chloroaniline	11.5	5.00	"	25.0		46.1	10-147		18.3	20	
4-Chlorophenyl phenyl ether	14.2	5.00	"	25.0		56.8	27-121		11.2	20	
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	21.3	5.00	"	25.0		85.3	10-131		15.9	20	
Acetophenone	13.4	5.00	"	25.0		53.7	25-110		5.28	20	
Aniline	5.03	5.00	"	25.0		20.1	10-117		17.0	20	
Benzaldehyde	11.4	5.00	"	25.0		45.5	29-117		6.63	20	
Benzoic acid	2.56	5.00	"	25.0		10.2	30-130	Low Bias	26.0	20	Non-dir.
Benzyl alcohol	8.05	5.00	"	25.0		32.2	10-117		20.5	20	Non-dir.
Benzyl butyl phthalate	12.0	5.00	"	25.0		48.1	29-133		12.3	20	
Bis(2-chloroethoxy)methane	13.7	5.00	"	25.0		54.7	10-154		13.4	20	
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0		47.8	17-125		12.9	20	
Bis(2-chloroisopropyl)ether	9.46	5.00	"	25.0		37.8	10-139		10.1	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	12.7	5.00	"	25.0		50.7	42-126		12.7	20	
Dibenzofuran	13.5	5.00	"	25.0		53.8	36-113		9.82	20	
Diethyl phthalate	13.4	5.00	"	25.0		53.5	38-115		8.42	20	
Dimethyl phthalate	13.9	5.00	"	25.0		55.6	38-129		11.2	20	
Di-n-butyl phthalate	12.6	5.00	"	25.0		50.3	31-120		12.2	20	
Di-n-octyl phthalate	12.3	5.00	"	25.0		49.3	21-149		12.1	20	
Diphenylamine	14.3	5.00	"	25.0		57.4	40-140		10.2	20	
Hexachlorocyclopentadiene	8.00	10.0	"	25.0		32.0	10-130		16.8	20	
Isophorone	13.2	5.00	"	25.0		52.7	25-127		12.4	20	
N-nitroso-di-n-propylamine	10.9	5.00	"	25.0		43.4	26-122		8.95	20	
N-Nitrosodiphenylamine	13.6	5.00	"	25.0		54.5	23-149		9.45	20	
Phenol	4.30	5.00	"	25.0		17.2	10-110		16.4	20	
Pyridine	5.25	5.00	"	25.5		20.6	10-90		26.8	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	18.4		"	50.0		36.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31686 - EPA 3510C**

LCS Dup (BG31686-BS1)    LCS Dup    Prepared: 07/29/2023 Analyzed: 08/01/2023

Surrogate: SURR: Phenol-d6	9.38		ug/L	50.0		18.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.0		"	25.0		71.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.7		"	25.0		78.9	30.7-106				

**Batch BG31687 - EPA 3510C**

Blank (BG31687-BLK1)    Blank    Prepared: 07/30/2023 Analyzed: 07/31/2023

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31687 - EPA 3510C

Blank (BG31687-BLK1)	Blank	Prepared: 07/30/2023 Analyzed: 07/31/2023									
Di-n-butyl phthalate	ND	5.00	ug/L								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	14.3		"	50.0		28.7	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.18		"	50.0		14.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.3		"	25.0		61.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.0		"	25.0		60.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	45.7		"	50.0		91.4	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.3		"	25.0		69.2	30.7-106				

LCS (BG31687-BS1)	LCS	Prepared: 07/30/2023 Analyzed: 07/31/2023									
1,1-Biphenyl	10.3	5.00	ug/L	25.0		41.0	33-95				
1,2,4,5-Tetrachlorobenzene	15.0	5.00	"	25.0		60.2	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	8.46	5.00	"	25.0		33.8	16-141				
2,3,4,6-Tetrachlorophenol	11.4	5.00	"	25.0		45.5	30-130				
2,4,5-Trichlorophenol	12.6	5.00	"	25.0		50.6	32-114				
2,4,6-Trichlorophenol	11.3	5.00	"	25.0		45.2	35-118				
2,4-Dichlorophenol	12.7	5.00	"	25.0		50.9	25-116				
2,4-Dimethylphenol	8.38	5.00	"	25.0		33.5	15-116				
2,4-Dinitrophenol	21.8	5.00	"	25.0		87.4	10-170				
2,4-Dinitrotoluene	14.6	5.00	"	25.0		58.5	41-128				
2,6-Dinitrotoluene	13.6	5.00	"	25.0		54.6	45-116				
2-Chloronaphthalene	10.3	5.00	"	25.0		41.1	33-112				
2-Chlorophenol	9.24	5.00	"	25.0		37.0	15-120				
2-Methylnaphthalene	11.4	5.00	"	25.0		45.6	24-118				
2-Methylphenol	7.70	5.00	"	25.0		30.8	10-110				
2-Nitroaniline	11.5	5.00	"	25.0		45.9	34-129				
2-Nitrophenol	13.5	5.00	"	25.0		54.0	28-118				
3- & 4-Methylphenols	6.35	5.00	"	25.0		25.4	10-107				
3,3-Dichlorobenzidine	8.64	5.00	"	25.0		34.6	15-187				
3-Nitroaniline	9.14	5.00	"	25.0		36.6	24-134				
4,6-Dinitro-2-methylphenol	23.5	5.00	"	25.0		93.9	10-153				
4-Bromophenyl phenyl ether	11.8	5.00	"	25.0		47.3	34-120				
4-Chloro-3-methylphenol	12.2	5.00	"	25.0		48.6	20-120				
4-Chloroaniline	6.97	5.00	"	25.0		27.9	10-147				
4-Chlorophenyl phenyl ether	11.8	5.00	"	25.0		47.0	27-121				
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias			
4-Nitrophenol	15.0	5.00	"	25.0		60.2	10-131				
Acetophenone	10.0	5.00	"	25.0		40.2	25-110				
Aniline	ND	5.00	"	25.0			10-117	Low Bias			
Benzaldehyde	9.24	5.00	"	25.0		37.0	29-117				
Benzoic acid	3.64	5.00	"	25.0		14.6	30-130	Low Bias			
Benzyl alcohol	5.79	5.00	"	25.0		23.2	10-117				
Benzyl butyl phthalate	9.62	5.00	"	25.0		38.5	29-133				
Bis(2-chloroethoxy)methane	10.9	5.00	"	25.0		43.4	10-154				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31687 - EPA 3510C</b>											
<b>LCS (BG31687-BS1)</b>	<b>LCS</b>	Prepared: 07/30/2023 Analyzed: 07/31/2023									
Bis(2-chloroethyl)ether	9.00	5.00	ug/L	25.0		36.0	17-125				
Bis(2-chloroisopropyl)ether	7.55	5.00	"	25.0		30.2	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	10.6	5.00	"	25.0		42.5	42-126				
Dibenzofuran	11.1	5.00	"	25.0		44.5	36-113				
Diethyl phthalate	11.2	5.00	"	25.0		44.7	38-115				
Dimethyl phthalate	11.4	5.00	"	25.0		45.6	38-129				
Di-n-butyl phthalate	10.5	5.00	"	25.0		41.9	31-120				
Di-n-octyl phthalate	10.4	5.00	"	25.0		41.4	21-149				
Diphenylamine	11.8	5.00	"	25.0		47.3	40-140				
Hexachlorocyclopentadiene	5.70	10.0	"	25.0		22.8	10-130				
Isophorone	10.6	5.00	"	25.0		42.6	25-127				
N-nitroso-di-n-propylamine	8.69	5.00	"	25.0		34.8	26-122				
N-Nitrosodiphenylamine	11.4	5.00	"	25.0		45.6	23-149				
Phenol	3.42	5.00	"	25.0		13.7	10-110				
Pyridine	ND	5.00	"	25.5			10-90	Low Bias			
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>13.6</i>		<i>"</i>	<i>50.0</i>		<i>27.2</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d6</i>	<i>7.50</i>		<i>"</i>	<i>50.0</i>		<i>15.0</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>13.8</i>		<i>"</i>	<i>25.0</i>		<i>55.0</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>13.6</i>		<i>"</i>	<i>25.0</i>		<i>54.3</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>40.7</i>		<i>"</i>	<i>50.0</i>		<i>81.4</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>14.9</i>		<i>"</i>	<i>25.0</i>		<i>59.7</i>	<i>30.7-106</i>				
<b>LCS Dup (BG31687-BS1)</b>	<b>LCS Dup</b>	Prepared: 07/30/2023 Analyzed: 07/31/2023									
1,1-Biphenyl	11.6	5.00	ug/L	25.0		46.6	33-95		12.6	20	
1,2,4,5-Tetrachlorobenzene	16.8	5.00	"	25.0		67.3	26-120		11.1	20	
1,2-Diphenylhydrazine (as Azobenzene)	9.36	5.00	"	25.0		37.4	16-141		10.1	20	
2,3,4,6-Tetrachlorophenol	11.7	5.00	"	25.0		46.9	30-130		3.03	20	
2,4,5-Trichlorophenol	13.9	5.00	"	25.0		55.8	32-114		9.70	20	
2,4,6-Trichlorophenol	12.0	5.00	"	25.0		47.9	35-118		5.75	20	
2,4-Dichlorophenol	13.8	5.00	"	25.0		55.4	25-116		8.51	20	
2,4-Dimethylphenol	8.73	5.00	"	25.0		34.9	15-116		4.09	20	
2,4-Dinitrophenol	24.2	5.00	"	25.0		96.6	10-170		10.1	20	
2,4-Dinitrotoluene	15.8	5.00	"	25.0		63.2	41-128		7.76	20	
2,6-Dinitrotoluene	14.9	5.00	"	25.0		59.7	45-116		8.96	20	
2-Chloronaphthalene	11.2	5.00	"	25.0		44.9	33-112		8.93	20	
2-Chlorophenol	10.3	5.00	"	25.0		41.1	15-120		10.7	20	
2-Methylnaphthalene	12.4	5.00	"	25.0		49.5	24-118		8.24	20	
2-Methylphenol	8.17	5.00	"	25.0		32.7	10-110		5.92	20	
2-Nitroaniline	12.3	5.00	"	25.0		49.3	34-129		7.15	20	
2-Nitrophenol	14.9	5.00	"	25.0		59.6	28-118		9.72	20	
3- & 4-Methylphenols	6.44	5.00	"	25.0		25.8	10-107		1.41	20	
3,3-Dichlorobenzidine	8.31	5.00	"	25.0		33.2	15-187		3.89	20	
3-Nitroaniline	9.77	5.00	"	25.0		39.1	24-134		6.66	20	
4,6-Dinitro-2-methylphenol	25.2	5.00	"	25.0		101	10-153		6.95	20	
4-Bromophenyl phenyl ether	13.1	5.00	"	25.0		52.4	34-120		10.1	20	
4-Chloro-3-methylphenol	12.5	5.00	"	25.0		50.0	20-120		2.84	20	
4-Chloroaniline	8.03	5.00	"	25.0		32.1	10-147		14.1	20	
4-Chlorophenyl phenyl ether	12.5	5.00	"	25.0		49.9	27-121		6.03	20	
4-Nitroaniline	9.74	5.00	"	25.0		39.0	13-134		178	20	Non-dir.
4-Nitrophenol	16.6	5.00	"	25.0		66.5	10-131		10.0	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31687 - EPA 3510C</b>											
<b>LCS Dup (BG31687-BSD1)</b>	<b>LCS Dup</b>								Prepared: 07/30/2023	Analyzed: 07/31/2023	
Acetophenone	11.3	5.00	ug/L	25.0		45.1	25-110		11.4	20	
Aniline	3.51	5.00	"	25.0		14.0	10-117		34.4	20	Non-dir.
Benzaldehyde	10.4	5.00	"	25.0		41.7	29-117		12.1	20	
Benzoic acid	4.30	5.00	"	25.0		17.2	30-130	Low Bias	16.6	20	
Benzyl alcohol	6.42	5.00	"	25.0		25.7	10-117		10.3	20	
Benzyl butyl phthalate	10.4	5.00	"	25.0		41.5	29-133		7.60	20	
Bis(2-chloroethoxy)methane	11.7	5.00	"	25.0		46.9	10-154		7.62	20	
Bis(2-chloroethyl)ether	10.1	5.00	"	25.0		40.4	17-125		11.4	20	
Bis(2-chloroisopropyl)ether	8.41	5.00	"	25.0		33.6	10-139		10.8	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	11.6	5.00	"	25.0		46.4	42-126		8.73	20	
Dibenzofuran	11.9	5.00	"	25.0		47.7	36-113		6.85	20	
Diethyl phthalate	12.0	5.00	"	25.0		48.2	38-115		7.49	20	
Dimethyl phthalate	12.2	5.00	"	25.0		48.9	38-129		6.86	20	
Di-n-butyl phthalate	11.3	5.00	"	25.0		45.2	31-120		7.53	20	
Di-n-octyl phthalate	11.3	5.00	"	25.0		45.4	21-149		9.13	20	
Diphenylamine	12.6	5.00	"	25.0		50.6	40-140		6.70	20	
Hexachlorocyclopentadiene	6.54	10.0	"	25.0		26.2	10-130		13.7	20	
Isophorone	11.5	5.00	"	25.0		45.9	25-127		7.59	20	
N-nitroso-di-n-propylamine	9.40	5.00	"	25.0		37.6	26-122		7.85	20	
N-Nitrosodiphenylamine	12.1	5.00	"	25.0		48.3	23-149		5.80	20	
Phenol	3.58	5.00	"	25.0		14.3	10-110		4.57	20	
Pyridine	3.03	5.00	"	25.5		11.9	10-90		41.0	20	Non-dir.
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>15.3</i>		<i>"</i>	<i>50.0</i>		<i>30.5</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d6</i>	<i>8.27</i>		<i>"</i>	<i>50.0</i>		<i>16.5</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>15.9</i>		<i>"</i>	<i>25.0</i>		<i>63.6</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>15.5</i>		<i>"</i>	<i>25.0</i>		<i>61.9</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>47.0</i>		<i>"</i>	<i>50.0</i>		<i>94.0</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>16.6</i>		<i>"</i>	<i>25.0</i>		<i>66.4</i>	<i>30.7-106</i>				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31612 - EPA 3535A</b>												
<b>Blank (BG31612-BLK1)</b>	<b>Blank</b>										Prepared: 07/27/2023 Analyzed: 08/02/2023	
1,4-Dioxane	ND	0.300	ug/L									
Surrogate: 1,4-Dioxane-d8	3.31		"	4.00		82.8	36.6-118					
<b>LCS (BG31612-BS1)</b>	<b>LCS</b>										Prepared: 07/27/2023 Analyzed: 08/02/2023	
1,4-Dioxane	3.78	0.300	ug/L	4.00		94.4	50-130					
Surrogate: 1,4-Dioxane-d8	3.54		"	4.00		88.6	36.6-118					
<b>Matrix Spike (BG31612-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23G1455-04 (Matrix Spike)										Prepared: 07/27/2023 Analyzed: 08/02/2023
1,4-Dioxane	3.94	0.300	ug/L	4.00	ND	98.4	50-130					
Surrogate: 1,4-Dioxane-d8	3.58		"	4.00		89.4	50-130					
<b>Matrix Spike Dup (BG31612-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23G1455-04 (Matrix Spike Dup)										Prepared: 07/27/2023 Analyzed: 08/02/2023
1,4-Dioxane	4.08	0.300	ug/L	4.00	ND	102	50-130		3.59	30		
Surrogate: 1,4-Dioxane-d8	3.32		"	4.00		83.1	50-130					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

Blank (BH30021-BLK1) Blank

Prepared: 08/01/2023 Analyzed: 08/02/2023

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	79.2		"	46.6		170	25-150				
Surrogate: M5PFHxA	83.8		"	50.0		168	25-150				
Surrogate: M4PFHpA	83.3		"	50.0		167	25-150				
Surrogate: M3PFHxS	79.6		"	47.4		168	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	50.0		167	25-150				
Surrogate: M6PFDA	30.6		"	25.0		122	25-150				
Surrogate: M7PFUdA	32.9		"	25.0		132	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.9		"	25.0		103	25-150				
Surrogate: M2PFTeDA	24.2		"	25.0		96.7	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30021 - EPA 1633 Prep</b>											
Prepared: 08/01/2023 Analyzed: 08/02/2023											
<b>Blank (BH30021-BLK1) Blank</b>											
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	38.5		ng/L	200		19.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	66.5		"	47.9		139	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	183		"	100		183	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	81.8		"	50.0		164	10-150				
Surrogate: d3-N-MeFOSAA	139		"	100		139	25-150				
Surrogate: d5-N-EtFOSAA	121		"	100		121	25-150				
Surrogate: M2-6:2 FTS	180		"	95.1		189	25-200				
Surrogate: M2-8:2 FTS	192		"	96.0		200	25-200				
Surrogate: M9PFNA	55.4		"	25.0		222	25-150				
Surrogate: M2-4:2 FTS	167		"	93.8		178	25-150				
Surrogate: d-N-MeFOSA	33.6		"	50.0		67.3	25-150				
Surrogate: d-N-EtFOSA	23.3		"	50.0		46.7	25-150				
Surrogate: M3HFPO-DA	343		"	200		171	25-150				
Surrogate: d9-N-EtFOSE	339		"	500		67.8	25-150				
Surrogate: d7-N-MeFOSE	451		"	500		90.3	25-150				
<b>LCS (BH30021-BS1) LCS</b>											
Prepared: 08/01/2023 Analyzed: 08/02/2023											
Perfluorobutanesulfonic acid (PFBS)	148	3.54	ng/L	70.8		210	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	171	4.00	"	80.0		214	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	141	4.00	"	80.0		176	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	162	3.66	"	73.2		221	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	149	4.00	"	80.0		186	50-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	124	3.72	"	74.4		167	50-150	High Bias			
Perfluorononanoic acid (PFNA)	121	4.00	"	80.0		152	50-150	High Bias			
Perfluorodecanoic acid (PFDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	190	4.00	"	80.0		238	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	144	4.00	"	80.0		180	50-150	High Bias			
Perfluorotridecanoic acid (PFTrDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	164	4.00	"	80.0		206	50-150	High Bias			
N-MeFOSAA	167	4.00	"	80.0		209	50-150	High Bias			
N-EtFOSAA	140	4.00	"	80.0		175	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	324	8.00	"	160		202	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	168	4.00	"	80.0		210	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	139	3.82	"	76.4		183	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	146	3.86	"	77.2		190	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	670	15.2	"	304		221	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	722	15.4	"	307		235	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	610	16.0	"	320		191	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	209	7.12	"	142		147	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	205	8.00	"	160		128	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	126	8.00	"	160		78.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	220	8.00	"	160		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	158	3.76	"	75.2		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	717	15.0	"	300		239	50-150	High Bias			
HFPO-DA (Gen-X)	213	16.0	"	160		133	50-150				
11CL-PF3OUdS	173	15.1	"	151		114	50-150				
9CL-PF3ONS	177	15.0	"	150		118	50-150				
ADONA	201	15.1	"	151		133	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

LCS (BH30021-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorododecanesulfonic acid (PFDoS)	84.1	3.88	ng/L	77.6		108	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	126	3.84	"	76.8		165	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2230	10.0	"	320		698	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2780	50.0	"	1600		174	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	525	50.0	"	1600		32.8	50-150	Low Bias			
N-MeFOSE	1120	40.0	"	800		139	50-150				
N-MeFOSA	157	4.00	"	80.0		196	50-150	High Bias			
N-EtFOSE	1300	40.0	"	800		162	50-150	High Bias			
N-EtFOSA	127	4.00	"	80.0		159	50-150	High Bias			
Surrogate: M3PFBS	96.8		"	46.6		208	25-150				
Surrogate: M5PFHxA	92.7		"	50.0		185	25-150				
Surrogate: M4PFHpA	85.4		"	50.0		171	25-150				
Surrogate: M3PFHxS	94.6		"	47.4		200	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.5		"	50.0		161	25-150				
Surrogate: M6PFDA	32.7		"	25.0		131	25-150				
Surrogate: M7PFUdA	32.6		"	25.0		131	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.6		"	25.0		138	25-150				
Surrogate: M2PFTeDA	24.3		"	25.0		97.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	43.6		"	200		21.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.7		"	47.9		198	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	185		"	100		185	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	89.9		"	50.0		180	10-150				
Surrogate: d3-N-MeFOSAA	157		"	100		157	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	249		"	95.1		262	25-200				
Surrogate: M2-8:2 FTS	241		"	96.0		252	25-200				
Surrogate: M9PFNA	37.9		"	25.0		152	25-150				
Surrogate: M2-4:2 FTS	242		"	93.8		258	25-150				
Surrogate: d-N-MeFOSA	47.4		"	50.0		94.9	25-150				
Surrogate: d-N-EtFOSA	36.9		"	50.0		73.9	25-150				
Surrogate: M3HFPO-DA	358		"	200		179	25-150				
Surrogate: d9-N-EtFOSE	457		"	500		91.4	25-150				
Surrogate: d7-N-MeFOSE	592		"	500		118	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30021 - EPA 1633 Prep</b>											
<b>LCS (BH30021-BS2)</b>	<b>LCS</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorobutanesulfonic acid (PFBS)	17.4	3.54	ng/L	14.2		123	50-150				
Perfluorohexanoic acid (PFHxA)	21.9	4.00	"	16.0		137	50-150				
Perfluoroheptanoic acid (PFHpA)	16.0	4.00	"	16.0		99.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	22.5	3.66	"	14.6		154	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	18.4	4.00	"	16.0		115	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.9	3.72	"	14.9		100	50-150				
Perfluorononanoic acid (PFNA)	19.3	4.00	"	16.0		121	50-150				
Perfluorodecanoic acid (PFDA)	18.8	4.00	"	16.0		117	50-150				
Perfluoroundecanoic acid (PFUnA)	27.5	4.00	"	16.0		172	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.7	4.00	"	16.0		135	50-150				
Perfluorotridecanoic acid (PFTriDA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotetradecanoic acid (PFTA)	22.6	4.00	"	16.0		142	50-150				
N-MeFOSAA	20.8	4.00	"	16.0		130	50-150				
N-EtFOSAA	20.0	4.00	"	16.0		125	50-150				
Perfluoropentanoic acid (PFPeA)	41.4	8.00	"	32.0		129	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	22.7	4.00	"	16.0		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	16.0	3.82	"	15.3		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	23.7	3.86	"	15.4		154	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	102	15.2	"	60.8		169	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	101	15.4	"	61.4		164	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	81.4	16.0	"	64.0		127	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.2	7.12	"	28.5		95.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	26.9	8.00	"	32.0		84.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	23.9	8.00	"	32.0		74.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	27.0	8.00	"	32.0		84.4	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	21.7	3.76	"	15.0		145	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	94.1	15.0	"	60.0		157	50-150	High Bias			
HFPO-DA (Gen-X)	20.2	16.0	"	32.0		63.3	50-150				
11CL-PF3OUdS	28.6	15.1	"	30.2		94.7	50-150				
9CL-PF3ONS	27.6	15.0	"	29.9		92.4	50-150				
ADONA	27.3	15.1	"	30.2		90.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	21.9	3.88	"	15.5		141	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	26.1	3.84	"	15.4		170	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	302	10.0	"	64.0		472	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	349	50.0	"	320		109	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	81.4	50.0	"	320		25.4	50-150	Low Bias			
N-MeFOSE	141	40.0	"	160		88.1	50-150				
N-MeFOSA	12.2	4.00	"	16.0		76.3	50-150				
N-EtFOSE	171	40.0	"	160		107	50-150				
N-EtFOSA	18.1	4.00	"	16.0		113	50-150				
Surrogate: M3PFBS	83.3		"	46.6		179	25-150				
Surrogate: M5PFHxA	88.3		"	50.0		177	25-150				
Surrogate: M4PFHpA	87.7		"	50.0		175	25-150				
Surrogate: M3PFHxS	85.1		"	47.4		180	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	90.2		"	50.0		180	25-150				
Surrogate: M6PFDA	43.5		"	25.0		174	25-150				
Surrogate: M7PFUdA	37.5		"	25.0		150	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	35.7		"	25.0		143	25-150				
Surrogate: M2PFTeDA	26.3		"	25.0		105	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

LCS (BH30021-BS2)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	113		ng/L	200		56.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	69.8		"	47.9		146	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	194		"	100		194	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	73.3		"	50.0		147	10-150				
Surrogate: d3-N-MeFOSAA	146		"	100		146	25-150				
Surrogate: d5-N-EtFOSAA	150		"	100		150	25-150				
Surrogate: M2-6:2 FTS	173		"	95.1		182	25-200				
Surrogate: M2-8:2 FTS	186		"	96.0		194	25-200				
Surrogate: M9PFNA	42.8		"	25.0		171	25-150				
Surrogate: M2-4:2 FTS	162		"	93.8		173	25-150				
Surrogate: d-N-MeFOSA	54.4		"	50.0		109	25-150				
Surrogate: d-N-EtFOSA	32.7		"	50.0		65.4	25-150				
Surrogate: M3HFPO-DA	324		"	200		162	25-150				
Surrogate: d9-N-EtFOSE	495		"	500		98.9	25-150				
Surrogate: d7-N-MeFOSE	620		"	500		124	25-150				

Duplicate (BH30021-DUP1)	Duplicate	*Source sample: 23G1449-08 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L		ND						30
Perfluorohexanoic acid (PFHxA)	ND	2.00	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	2.00	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"		ND						30
Perfluorononanoic acid (PFNA)	ND	2.00	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	2.00	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	2.00	"		ND						30
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"		ND						30
N-MeFOSAA	ND	2.00	"		ND						30
N-EtFOSAA	ND	2.00	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	3.99	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.58	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.66	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	7.98	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.55	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.99	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.99	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.99	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.48	"		ND						30
HFPO-DA (Gen-X)	ND	7.98	"		ND						30
11CL-PF3OUdS	ND	7.54	"		ND						30
9CL-PF3ONS	ND	7.46	"		ND						30
ADONA	ND	7.54	"		ND						30



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30021 - EPA 1633 Prep

Duplicate (BH30021-DUP1)	Duplicate	*Source sample: 23G1449-08 (Duplicate)				Prepared: 08/01/2023 Analyzed: 08/02/2023	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.99	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.9	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.9	"	ND			30
N-MeFOSE	ND	20.0	"	ND			30
N-MeFOSA	ND	2.00	"	ND			30
N-EtFOSE	ND	20.0	"	ND			30
N-EtFOSA	ND	2.00	"	ND			30
Surrogate: M3PFBS	27.8		"	23.3	120	25-150	
Surrogate: M5PFHxA	47.9		"	24.9	192	25-150	
Surrogate: M4PFHpA	55.6		"	24.9	223	25-150	
Surrogate: M3PFHxS	34.8		"	23.6	147	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	45.0		"	24.9	180	25-150	
Surrogate: M6PFDA	20.3		"	12.5	163	25-150	
Surrogate: M7PFUdA	17.2		"	12.5	138	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.8		"	12.5	127	25-150	
Surrogate: M2PFTeDA	11.5		"	12.5	92.2	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.980		"	99.8	0.982	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	39.0		"	23.9	163	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	14.1		"	49.9	28.2	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.7		"	24.9	167	10-150	
Surrogate: d3-N-MeFOSAA	74.9		"	49.9	150	25-150	
Surrogate: d5-N-EtFOSAA	73.0		"	49.9	146	25-150	
Surrogate: M2-6:2 FTS	76.8		"	47.4	162	25-200	
Surrogate: M2-8:2 FTS	88.9		"	47.9	186	25-200	
Surrogate: M9PFNA	19.2		"	12.5	154	25-150	
Surrogate: M2-4:2 FTS	68.3		"	46.8	146	25-150	
Surrogate: d-N-MeFOSA	25.2		"	24.9	101	25-150	
Surrogate: d-N-EtFOSA	23.2		"	24.9	92.8	25-150	
Surrogate: M3HFPO-DA	173		"	99.8	173	25-150	
Surrogate: d9-N-EtFOSE	226		"	249	90.7	25-150	
Surrogate: d7-N-MeFOSE	267		"	249	107	25-150	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

Prepared: 08/04/2023 Analyzed: 08/07/2023

Blank (BH30270-BLK1) Blank

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	49.9		"	46.6		107	25-150				
Surrogate: M5PFHxA	54.3		"	50.0		109	25-150				
Surrogate: M4PFHpA	44.5		"	50.0		89.1	25-150				
Surrogate: M3PFHxS	40.4		"	47.4		85.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	58.7		"	50.0		117	25-150				
Surrogate: M6PFDA	22.1		"	25.0		88.2	25-150				
Surrogate: M7PFUdA	27.0		"	25.0		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.8		"	25.0		111	25-150				
Surrogate: M2PFTeDA	22.9		"	25.0		91.8	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

Blank (BH30270-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	66.0		ng/L	200		33.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.1		"	47.9		103	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110		"	100		110	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	50.6		"	50.0		101	10-150				
Surrogate: d3-N-MeFOSAA	147		"	100		147	25-150				
Surrogate: d5-N-EtFOSAA	139		"	100		139	25-150				
Surrogate: M2-6:2 FTS	84.9		"	95.1		89.2	25-200				
Surrogate: M2-8:2 FTS	157		"	96.0		164	25-200				
Surrogate: M9PFNA	21.6		"	25.0		86.3	25-150				
Surrogate: M2-4:2 FTS	102		"	93.8		109	25-150				
Surrogate: d-N-MeFOSA	45.3		"	50.0		90.6	25-150				
Surrogate: d-N-EtFOSA	21.1		"	50.0		42.3	25-150				
Surrogate: M3HFPO-DA	229		"	200		115	25-150				
Surrogate: d9-N-EtFOSE	178		"	500		35.5	25-150				
Surrogate: d7-N-MeFOSE	411		"	500		82.3	25-150				

LCS (BH30270-BS1)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Perfluorobutanesulfonic acid (PFBS)	102	3.54	ng/L	70.8		144	50-150				
Perfluorohexanoic acid (PFHxA)	115	4.00	"	80.0		144	50-150				
Perfluoroheptanoic acid (PFHpA)	129	4.00	"	80.0		162	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	117	3.66	"	73.2		160	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	99.1	4.00	"	80.0		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	154	3.72	"	74.4		207	50-150	High Bias			
Perfluorononanoic acid (PFNA)	97.2	4.00	"	80.0		122	50-150				
Perfluorodecanoic acid (PFDA)	101	4.00	"	80.0		126	50-150				
Perfluoroundecanoic acid (PFUnA)	91.9	4.00	"	80.0		115	50-150				
Perfluorododecanoic acid (PFDoA)	113	4.00	"	80.0		141	50-150				
Perfluorotridecanoic acid (PFTrDA)	119	4.00	"	80.0		148	50-150				
Perfluorotetradecanoic acid (PFTA)	103	4.00	"	80.0		129	50-150				
N-MeFOSAA	123	4.00	"	80.0		154	50-150	High Bias			
N-EtFOSAA	113	4.00	"	80.0		142	50-150				
Perfluoropentanoic acid (PFPeA)	201	8.00	"	160		126	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	129	4.00	"	80.0		161	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.4	3.82	"	76.4		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	99.3	3.86	"	77.2		129	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	367	15.2	"	304		121	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	578	15.4	"	307		188	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	386	16.0	"	320		121	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	166	7.12	"	142		116	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	194	8.00	"	160		122	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	92.1	8.00	"	160		57.6	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	224	8.00	"	160		140	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	93.7	3.76	"	75.2		125	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	426	15.0	"	300		142	50-150				
HFPO-DA (Gen-X)	208	16.0	"	160		130	50-150				
11CL-PF3OUdS	171	15.1	"	151		113	50-150				
9CL-PF3ONS	162	15.0	"	150		108	50-150				
ADONA	184	15.1	"	151		122	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

LCS (BH30270-BS1)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Perfluorododecanesulfonic acid (PFDoS)	69.7	3.88	ng/L	77.6		89.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	106	3.84	"	76.8		139	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	2210	10.0	"	320		691	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2360	50.0	"	1600		148	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	432	50.0	"	1600		27.0	50-150	Low Bias			
N-MeFOSE	1140	40.0	"	800		143	50-150				
N-MeFOSA	94.1	4.00	"	80.0		118	50-150				
N-EtFOSE	1200	40.0	"	800		150	50-150				
N-EtFOSA	100	4.00	"	80.0		126	50-150				
Surrogate: M3PFBS	49.2		"	46.6		106	25-150				
Surrogate: M5PFHxA	45.6		"	50.0		91.1	25-150				
Surrogate: M4PFHpA	38.9		"	50.0		77.8	25-150				
Surrogate: M3PFHxS	44.5		"	47.4		94.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	55.6		"	50.0		111	25-150				
Surrogate: M6PFDA	25.1		"	25.0		101	25-150				
Surrogate: M7PFUdA	26.3		"	25.0		105	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.3		"	25.0		109	25-150				
Surrogate: M2PFTeDA	20.7		"	25.0		82.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.2		"	200		14.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.2		"	47.9		103	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	97.8		"	100		97.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.5		"	50.0		103	10-150				
Surrogate: d3-N-MeFOSAA	91.7		"	100		91.7	25-150				
Surrogate: d5-N-EtFOSAA	93.7		"	100		93.7	25-150				
Surrogate: M2-6:2 FTS	84.8		"	95.1		89.1	25-200				
Surrogate: M2-8:2 FTS	72.1		"	96.0		75.1	25-200				
Surrogate: M9PFNA	36.8		"	25.0		147	25-150				
Surrogate: M2-4:2 FTS	110		"	93.8		117	25-150				
Surrogate: d-N-MeFOSA	41.7		"	50.0		83.4	25-150				
Surrogate: d-N-EtFOSA	25.9		"	50.0		51.7	25-150				
Surrogate: M3HFPO-DA	199		"	200		99.6	25-150				
Surrogate: d9-N-EtFOSE	219		"	500		43.7	25-150				
Surrogate: d7-N-MeFOSE	390		"	500		78.0	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30270 - EPA 1633 Prep</b>											
<b>LCS (BH30270-BS2)</b>	<b>LCS</b>	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Perfluorobutanesulfonic acid (PFBS)	13.6	3.54	ng/L	14.2		96.4	50-150				
Perfluorohexanoic acid (PFHxA)	13.7	4.00	"	16.0		85.5	50-150				
Perfluoroheptanoic acid (PFHpA)	14.3	4.00	"	16.0		89.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	11.7	3.66	"	14.6		80.2	50-150				
Perfluorooctanoic acid (PFOA)	14.3	4.00	"	16.0		89.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	18.9	3.72	"	14.9		127	50-150				
Perfluorononanoic acid (PFNA)	12.4	4.00	"	16.0		77.8	50-150				
Perfluorodecanoic acid (PFDA)	11.7	4.00	"	16.0		73.4	50-150				
Perfluoroundecanoic acid (PFUnA)	10.1	4.00	"	16.0		62.9	50-150				
Perfluorododecanoic acid (PFDoA)	15.6	4.00	"	16.0		97.3	50-150				
Perfluorotridecanoic acid (PFTriDA)	9.69	4.00	"	16.0		60.6	50-150				
Perfluorotetradecanoic acid (PFTA)	13.1	4.00	"	16.0		82.0	50-150				
N-MeFOSAA	12.5	4.00	"	16.0		78.0	50-150				
N-EtFOSAA	11.3	4.00	"	16.0		70.7	50-150				
Perfluoropentanoic acid (PFPeA)	26.7	8.00	"	32.0		83.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	22.9	4.00	"	16.0		143	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	9.94	3.82	"	15.3		65.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.1	3.86	"	15.4		84.6	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	53.1	15.2	"	60.8		87.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.4	15.4	"	61.4		119	50-150				
Perfluoro-n-butanoic acid (PFBA)	55.4	16.0	"	64.0		86.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	20.1	7.12	"	28.5		70.6	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	24.5	8.00	"	32.0		76.5	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.3	8.00	"	32.0		32.2	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	28.7	8.00	"	32.0		89.6	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	10.4	3.76	"	15.0		69.1	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	71.5	15.0	"	60.0		119	50-150				
HFPO-DA (Gen-X)	27.1	16.0	"	32.0		84.6	50-150				
11CL-PF3OUdS	25.8	15.1	"	30.2		85.3	50-150				
9CL-PF3ONS	23.1	15.0	"	29.9		77.1	50-150				
ADONA	23.6	15.1	"	30.2		78.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	7.56	3.88	"	15.5		48.8	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	12.5	3.84	"	15.4		81.2	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	287	10.0	"	64.0		448	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	314	50.0	"	320		98.3	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	47.9	50.0	"	320		15.0	50-150	Low Bias			
N-MeFOSE	166	40.0	"	160		104	50-150				
N-MeFOSA	11.2	4.00	"	16.0		70.2	50-150				
N-EtFOSE	158	40.0	"	160		99.0	50-150				
N-EtFOSA	11.1	4.00	"	16.0		69.3	50-150				
Surrogate: M3PFBS	63.8		"	46.6		137	25-150				
Surrogate: M5PFHxA	48.1		"	50.0		96.3	25-150				
Surrogate: M4PFHpA	43.3		"	50.0		86.7	25-150				
Surrogate: M3PFHxS	65.2		"	47.4		138	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	54.8		"	50.0		110	25-150				
Surrogate: M6PFDA	33.9		"	25.0		136	25-150				
Surrogate: M7PFUdA	33.9		"	25.0		136	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.9		"	25.0		108	25-150				
Surrogate: M2PFTeDA	22.3		"	25.0		89.2	10-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30270 - EPA 1633 Prep**

LCS (BH30270-BS2)      LCS      Prepared: 08/04/2023 Analyzed: 08/07/2023

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	26.4		ng/L	200		13.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	52.9		"	47.9		111	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	99.2		"	100		99.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	43.8		"	50.0		87.6	10-150				
Surrogate: d3-N-MeFOSAA	113		"	100		113	25-150				
Surrogate: d5-N-EtFOSAA	86.5		"	100		86.5	25-150				
Surrogate: M2-6:2 FTS	101		"	95.1		107	25-200				
Surrogate: M2-8:2 FTS	107		"	96.0		112	25-200				
Surrogate: M9PFNA	28.6		"	25.0		115	25-150				
Surrogate: M2-4:2 FTS	123		"	93.8		131	25-150				
Surrogate: d-N-MeFOSA	51.4		"	50.0		103	25-150				
Surrogate: d-N-EtFOSA	27.4		"	50.0		54.8	25-150				
Surrogate: M3HFPO-DA	202		"	200		101	25-150				
Surrogate: d9-N-EtFOSE	215		"	500		43.0	25-150				
Surrogate: d7-N-MeFOSE	375		"	500		75.0	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG31810 - EPA 3510C

Blank (BG31810-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.157		"	0.200		78.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.109		"	0.200		54.4	30-150				

LCS (BG31810-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0598	0.00400	ug/L	0.100		59.8	40-140			20	
4,4'-DDE	0.0532	0.00400	"	0.100		53.2	40-140			20	
4,4'-DDT	0.0495	0.00400	"	0.100		49.5	40-140			20	
Aldrin	0.0466	0.00400	"	0.100		46.6	40-140			20	
alpha-BHC	0.0447	0.00400	"	0.100		44.7	40-140			20	
alpha-Chlordane	0.0495	0.00400	"	0.100		49.5	40-140			20	
beta-BHC	0.0501	0.00400	"	0.100		50.1	40-140			20	
delta-BHC	0.0487	0.00400	"	0.100		48.7	40-140			20	
Dieldrin	0.0549	0.00200	"	0.100		54.9	40-140			20	
Endosulfan I	0.0534	0.00400	"	0.100		53.4	40-140			20	
Endosulfan II	0.0591	0.00400	"	0.100		59.1	40-140			20	
Endosulfan sulfate	0.0557	0.00400	"	0.100		55.7	40-140			20	
Endrin	0.0564	0.00400	"	0.100		56.4	40-140			20	
Endrin aldehyde	0.0675	0.0100	"	0.100		67.5	40-140			20	
Endrin ketone	0.0724	0.0100	"	0.100		72.4	40-140			20	
gamma-BHC (Lindane)	0.0486	0.00400	"	0.100		48.6	40-140			20	
gamma-Chlordane	0.0505	0.0100	"	0.100		50.5	40-140			20	
Heptachlor	0.0541	0.00400	"	0.100		54.1	40-140			20	
Heptachlor epoxide	0.0542	0.00400	"	0.100		54.2	40-140			20	
Methoxychlor	0.0645	0.00400	"	0.100		64.5	40-140			20	
Surrogate: Decachlorobiphenyl	0.142		"	0.200		70.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0872		"	0.200		43.6	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31810 - EPA 3510C</b>											
<b>LCS Dup (BG31810-BS1)</b>	<b>LCS Dup</b>										
										Prepared: 08/01/2023 Analyzed: 08/02/2023	
4,4'-DDD	0.0597	0.00400	ug/L	0.100		59.7	40-140		0.161	20	
4,4'-DDE	0.0544	0.00400	"	0.100		54.4	40-140		2.28	20	
4,4'-DDT	0.0502	0.00400	"	0.100		50.2	40-140		1.46	20	
Aldrin	0.0497	0.00400	"	0.100		49.7	40-140		6.45	20	
alpha-BHC	0.0479	0.00400	"	0.100		47.9	40-140		6.88	20	
alpha-Chlordane	0.0514	0.00400	"	0.100		51.4	40-140		3.75	20	
beta-BHC	0.0511	0.00400	"	0.100		51.1	40-140		2.04	20	
delta-BHC	0.0501	0.00400	"	0.100		50.1	40-140		2.82	20	
Dieldrin	0.0560	0.00200	"	0.100		56.0	40-140		2.05	20	
Endosulfan I	0.0546	0.00400	"	0.100		54.6	40-140		2.22	20	
Endosulfan II	0.0588	0.00400	"	0.100		58.8	40-140		0.657	20	
Endosulfan sulfate	0.0554	0.00400	"	0.100		55.4	40-140		0.521	20	
Endrin	0.0567	0.00400	"	0.100		56.7	40-140		0.435	20	
Endrin aldehyde	0.0676	0.0100	"	0.100		67.6	40-140		0.206	20	
Endrin ketone	0.0718	0.0100	"	0.100		71.8	40-140		0.855	20	
gamma-BHC (Lindane)	0.0514	0.00400	"	0.100		51.4	40-140		5.65	20	
gamma-Chlordane	0.0519	0.0100	"	0.100		51.9	40-140		2.77	20	
Heptachlor	0.0576	0.00400	"	0.100		57.6	40-140		6.31	20	
Heptachlor epoxide	0.0559	0.00400	"	0.100		55.9	40-140		3.09	20	
Methoxychlor	0.0638	0.00400	"	0.100		63.8	40-140		1.13	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.135</i>		<i>"</i>	<i>0.200</i>		<i>67.4</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0906</i>		<i>"</i>	<i>0.200</i>		<i>45.3</i>	<i>30-150</i>				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31810 - EPA 3510C</b>												
<b>Blank (BG31810-BLK2)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/02/2023				
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.132		"	0.200		66.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.146		"	0.200		73.0	30-120					
<b>LCS (BG31810-BS2)</b>	<b>LCS</b>							Prepared: 08/01/2023 Analyzed: 08/02/2023				
Aroclor 1016	0.654	0.0500	ug/L	1.00		65.4	40-120					
Aroclor 1260	0.577	0.0500	"	1.00		57.7	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.107		"	0.200		53.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.165		"	0.200		82.5	30-120					
<b>LCS Dup (BG31810-BSD2)</b>	<b>LCS Dup</b>							Prepared: 08/01/2023 Analyzed: 08/02/2023				
Aroclor 1016	0.806	0.0500	ug/L	1.00		80.6	40-120	20.8	30			
Aroclor 1260	0.749	0.0500	"	1.00		74.9	40-120	26.0	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.125		"	0.200		62.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.145		"	0.200		72.5	30-120					



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31811 - EPA 8151A</b>												
<b>Blank (BG31811-BLK1)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.62		"	12.5		45.0	30-150					
<b>Blank (BG31811-BLK2)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	4.90		"	12.5		39.2	30-150					
<b>LCS (BG31811-BS1)</b>	<b>LCS</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	1.55	0.500	ug/L	4.00		38.8	10-140					
2,4,5-TP (Silvex)	1.58	0.500	"	4.00		39.4	10-139					
2,4-D	1.80	0.500	"	4.00		45.0	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.78		"	12.5		46.2	30-150					
<b>Matrix Spike (BG31811-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1416-01 (Matrix Spike)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	29.5	5.00	ug/L	40.0	ND	73.8	30-150					
2,4,5-TP (Silvex)	30.2	5.00	"	40.0	ND	75.6	30-150					
2,4-D	34.8	5.00	"	40.0	ND	86.9	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	104		"	125		83.2	30-150					
<b>Matrix Spike Dup (BG31811-1)</b>	<b>Matrix Spike Dup</b>	<b>*Source sample: 23G1416-01 (Matrix Spike Dup)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	14.8	5.00	ug/L	40.0	ND	36.9	30-150	66.7	30	Non-dir.		
2,4,5-TP (Silvex)	14.8	5.00	"	40.0	ND	36.9	30-150	68.9	30	Non-dir.		
2,4-D	16.8	5.00	"	40.0	ND	41.9	30-150	69.9	30	Non-dir.		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	54.5		"	125		43.6	30-150					



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

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

**Batch BH30096 - EPA 3015A**

**Blank (BH30096-BLK1)      Blank** Prepared: 08/02/2023 Analyzed: 08/04/2023

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0278	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Cobalt	ND	0.00444	"
Copper	ND	0.0222	"
Iron	ND	0.278	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.0111	"
Potassium	ND	0.0556	"
Silver	ND	0.00556	"
Sodium	ND	0.556	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0278	"

**LCS (BH30096-BS1)      LCS** Prepared: 08/02/2023 Analyzed: 08/04/2023

Aluminum	1.84		ug/mL	2.00	92.1	80-120
Barium	1.92		"	2.00	96.0	80-120
Calcium	1.03		"	1.00	103	80-120
Chromium	0.187		"	0.200	93.7	80-120
Cobalt	0.478		"	0.500	95.7	80-120
Copper	0.243		"	0.250	97.2	80-120
Iron	0.947		"	1.00	94.7	80-120
Lead	0.474		"	0.500	94.8	80-120
Magnesium	0.926		"	1.00	92.6	80-120
Manganese	0.475		"	0.500	95.0	80-120
Nickel	0.484		"	0.500	96.7	80-120
Potassium	0.865		"	1.00	86.5	80-120
Silver	0.0419		"	0.0500	83.9	80-120
Sodium	0.978		"	1.00	97.8	80-120
Vanadium	0.470		"	0.500	94.0	80-120
Zinc	0.471		"	0.500	94.2	80-120



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30096 - EPA 3015A**

Duplicate (BH30096-DUP1)	Duplicate	*Source sample: 23G1635-01 (RIMW01_072723)					Prepared: 08/02/2023 Analyzed: 08/07/2023					
Aluminum	1.79	0.0556	mg/L	1.70	1.70				4.85	20		
Barium	0.652	0.0278	"	0.674	0.674				3.37	20		
Calcium	391	0.0556	"	390	390				0.0558	20		
Chromium	0.0111	0.00556	"	0.0109	0.0109				1.99	20		
Cobalt	0.00583	0.00444	"	0.00562	0.00562				3.70	20		
Copper	0.0222	0.0222	"	ND	ND					20		
Iron	6.36	0.278	"	6.35	6.35				0.0952	20		
Lead	0.0538	0.00556	"	0.0512	0.0512				4.95	20		
Magnesium	37.2	0.0556	"	37.8	37.8				1.56	20		
Manganese	1.25	0.00556	"	1.24	1.24				0.287	20		
Nickel	ND	0.0111	"	ND	ND					20		
Potassium	47.6	0.0556	"	47.0	47.0				1.34	20		
Silver	ND	0.00556	"	ND	ND					20		
Sodium	1270	0.556	"	1280	1280				0.304	20		
Vanadium	ND	0.0111	"	ND	ND					20		
Zinc	0.0502	0.0278	"	0.0447	0.0447				11.6	20		

Matrix Spike (BH30096-MS1)	Matrix Spike	*Source sample: 23G1635-01 (RIMW01_072723)					Prepared: 08/02/2023 Analyzed: 08/07/2023					
Aluminum	4.59	0.0556	mg/L	2.22	1.70	130	75-125	High Bias				
Barium	2.64	0.0278	"	2.22	0.674	88.6	75-125					
Calcium	377	0.0556	"	1.11	390	NR	75-125	Low Bias				
Chromium	0.205	0.00556	"	0.222	0.0109	87.4	75-125					
Cobalt	0.513	0.00444	"	0.556	0.00562	91.3	75-125					
Copper	0.294	0.0222	"	0.278	ND	106	75-125					
Iron	7.90	0.278	"	1.11	6.35	139	75-125	High Bias				
Lead	0.538	0.00556	"	0.556	0.0512	87.6	75-125					
Magnesium	37.3	0.0556	"	1.11	37.8	NR	75-125	Low Bias				
Manganese	1.71	0.00556	"	0.556	1.24	85.0	75-125					
Nickel	0.553	0.0111	"	0.556	ND	99.5	75-125					
Potassium	46.9	0.0556	"	1.11	47.0	NR	75-125	Low Bias				
Silver	0.0532	0.00556	"	0.0556	ND	95.8	75-125					
Sodium	1240	0.556	"	1.11	1280	NR	75-125	Low Bias				
Vanadium	0.521	0.0111	"	0.556	ND	93.7	75-125					
Zinc	0.556	0.0278	"	0.556	0.0447	92.0	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30096 - EPA 3015A**

Post Spike (BH30096-PS1)	Post Spike	*Source sample: 23G1635-01 (RIMW01_072723)					Prepared: 08/02/2023 Analyzed: 08/07/2023					
Aluminum		3.46	ug/mL	2.00	1.53	96.2	75-125					
Barium		2.44	"	2.00	0.607	91.5	75-125					
Calcium		345	"	1.00	351	NR	75-125	Low Bias				
Chromium		0.187	"	0.200	0.00978	88.5	75-125					
Cobalt		0.472	"	0.500	0.00506	93.4	75-125					
Copper		0.270	"	0.250	0.0199	100	75-125					
Iron		6.49	"	1.00	5.72	77.3	75-125					
Lead		0.498	"	0.500	0.0461	90.3	75-125					
Magnesium		34.1	"	1.00	34.0	10.4	75-125	Low Bias				
Manganese		1.56	"	0.500	1.12	87.5	75-125					
Nickel		0.505	"	0.500	0.00989	99.1	75-125					
Potassium		43.2	"	1.00	42.3	86.6	75-125					
Silver		0.0518	"	0.0500	0.00104	102	75-125					
Sodium		1130	"	1.00	1150	NR	75-125	Low Bias				
Vanadium		0.478	"	0.500	0.00708	94.2	75-125					
Zinc		0.506	"	0.500	0.0402	93.1	75-125					

**Batch BH30178 - EPA 3015A**

Blank (BH30178-BLK1)	Blank						Prepared: 08/03/2023 Analyzed: 08/04/2023					
Aluminum - Dissolved		ND	0.0556	mg/L								
Barium - Dissolved		ND	0.0278	"								
Calcium - Dissolved		ND	0.0556	"								
Chromium - Dissolved		ND	0.00556	"								
Cobalt - Dissolved		ND	0.00444	"								
Copper - Dissolved		ND	0.0222	"								
Iron - Dissolved		ND	0.278	"								
Lead - Dissolved		ND	0.00556	"								
Magnesium - Dissolved		ND	0.0556	"								
Manganese - Dissolved		ND	0.00556	"								
Nickel - Dissolved		ND	0.0111	"								
Potassium - Dissolved		ND	0.0556	"								
Silver - Dissolved		ND	0.00556	"								
Sodium - Dissolved		ND	0.556	"								
Vanadium - Dissolved		ND	0.0111	"								
Zinc - Dissolved		ND	0.0278	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30178 - EPA 3015A**

LCS (BH30178-BS1)	LCS	Prepared: 08/03/2023 Analyzed: 08/04/2023									
Aluminum - Dissolved	2.01		ug/mL	2.00		101	80-120				
Barium - Dissolved	2.12		"	2.00		106	80-120				
Calcium - Dissolved	1.09		"	1.00		109	80-120				
Chromium - Dissolved	0.210		"	0.200		105	80-120				
Cobalt - Dissolved	0.528		"	0.500		106	80-120				
Copper - Dissolved	0.275		"	0.250		110	80-120				
Iron - Dissolved	1.06		"	1.00		106	80-120				
Lead - Dissolved	0.520		"	0.500		104	80-120				
Magnesium - Dissolved	0.949		"	1.00		94.9	80-120				
Manganese - Dissolved	0.531		"	0.500		106	80-120				
Nickel - Dissolved	0.536		"	0.500		107	80-120				
Potassium - Dissolved	1.07		"	1.00		107	80-120				
Silver - Dissolved	0.0504		"	0.0500		101	80-120				
Sodium - Dissolved	1.07		"	1.00		107	80-120				
Vanadium - Dissolved	0.507		"	0.500		101	80-120				
Zinc - Dissolved	0.515		"	0.500		103	80-120				

Duplicate (BH30178-DUP1)	Duplicate	*Source sample: 23G1635-02 (RIMW06_072723) Prepared: 08/03/2023 Analyzed: 08/04/2023									
Aluminum - Dissolved	0.159	0.0556	mg/L		0.190				17.5	20	
Barium - Dissolved	0.921	0.0278	"		0.958			3.96	20		
Calcium - Dissolved	431	0.0556	"		458			6.12	20		
Chromium - Dissolved	ND	0.00556	"		ND				20		
Cobalt - Dissolved	ND	0.00444	"		ND				20		
Copper - Dissolved	ND	0.0222	"		ND				20		
Iron - Dissolved	ND	0.278	"		ND				20		
Lead - Dissolved	ND	0.00556	"		ND				20		
Magnesium - Dissolved	94.3	0.0556	"		98.3			4.11	20		
Manganese - Dissolved	5.48	0.00556	"		5.59			1.87	20		
Nickel - Dissolved	ND	0.0111	"		ND				20		
Potassium - Dissolved	84.2	0.0556	"		87.5			3.82	20		
Silver - Dissolved	0.00706	0.00556	"		ND				20		
Sodium - Dissolved	1100	0.556	"		1140			3.32	20		
Vanadium - Dissolved	ND	0.0111	"		ND				20		
Zinc - Dissolved	ND	0.0278	"		0.0295				20		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30178 - EPA 3015A**

**Matrix Spike (BH30178-MS1) Matrix Spike** \*Source sample: 23G1635-02 (RIMW06\_072723) Prepared: 08/03/2023 Analyzed: 08/04/2023

Aluminum - Dissolved	2.56	0.0556	mg/L	2.22	0.190	107	75-125				
Barium - Dissolved	3.12	0.0278	"	2.22	0.958	97.3	75-125				
Calcium - Dissolved	444	0.0556	"	1.11	458	NR	75-125	Low Bias			
Chromium - Dissolved	0.220	0.00556	"	0.222	ND	98.9	75-125				
Cobalt - Dissolved	0.522	0.00444	"	0.556	ND	94.0	75-125				
Copper - Dissolved	0.304	0.0222	"	0.278	ND	109	75-125				
Iron - Dissolved	1.11	0.278	"	1.11	ND	100	75-125				
Lead - Dissolved	0.506	0.00556	"	0.556	ND	91.1	75-125				
Magnesium - Dissolved	97.6	0.0556	"	1.11	98.3	NR	75-125	Low Bias			
Manganese - Dissolved	6.03	0.00556	"	0.556	5.59	79.1	75-125				
Nickel - Dissolved	0.524	0.0111	"	0.556	ND	94.4	75-125				
Potassium - Dissolved	86.6	0.0556	"	1.11	87.5	NR	75-125	Low Bias			
Silver - Dissolved	0.0604	0.00556	"	0.0556	ND	109	75-125				
Sodium - Dissolved	1130	0.556	"	1.11	1140	NR	75-125	Low Bias			
Vanadium - Dissolved	0.545	0.0111	"	0.556	ND	98.0	75-125				
Zinc - Dissolved	0.554	0.0278	"	0.556	0.0295	94.5	75-125				

**Post Spike (BH30178-PS1) Post Spike** \*Source sample: 23G1635-02 (RIMW06\_072723) Prepared: 08/03/2023 Analyzed: 08/04/2023

Aluminum - Dissolved	2.31		ug/mL	2.00	0.171	107	75-125				
Barium - Dissolved	2.94		"	2.00	0.862	104	75-125				
Calcium - Dissolved	402		"	1.00	413	NR	75-125	Low Bias			
Chromium - Dissolved	0.209		"	0.200	0.00294	103	75-125				
Cobalt - Dissolved	0.503		"	0.500	0.00230	100	75-125				
Copper - Dissolved	0.292		"	0.250	0.00534	115	75-125				
Iron - Dissolved	1.00		"	1.00	-0.00206	100	75-125				
Lead - Dissolved	0.493		"	0.500	-0.00322	98.6	75-125				
Magnesium - Dissolved	88.5		"	1.00	88.4	2.10	75-125	Low Bias			
Manganese - Dissolved	5.70		"	0.500	5.03	135	75-125	High Bias			
Nickel - Dissolved	0.505		"	0.500	0.00727	99.5	75-125				
Potassium - Dissolved	78.7		"	1.00	78.8	NR	75-125	Low Bias			
Silver - Dissolved	0.0621		"	0.0500	0.00398	116	75-125				
Sodium - Dissolved	1020		"	1.00	1020	NR	75-125	Low Bias			
Vanadium - Dissolved	0.519		"	0.500	-0.000274	104	75-125				
Zinc - Dissolved	0.523		"	0.500	0.0265	99.2	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30100 - EPA 3015A**

<b>Blank (BH30100-BLK1)</b>		<b>Blank</b>										Prepared: 08/02/2023 Analyzed: 08/03/2023	
Antimony	ND	1.11	ug/L										
Arsenic	ND	1.11	"										
Beryllium	ND	0.333	"										
Cadmium	ND	0.556	"										
Selenium	ND	1.11	"										
Thallium	ND	1.11	"										

<b>LCS (BH30100-BS1)</b>		<b>LCS</b>										Prepared: 08/02/2023 Analyzed: 08/03/2023	
Antimony	56.2		ug/L	50.0		112	80-120						
Arsenic	54.9		"	50.0		110	80-120						
Beryllium	54.0		"	50.0		108	80-120						
Cadmium	52.9		"	50.0		106	80-120						
Selenium	52.2		"	50.0		104	80-120						
Thallium	52.2		"	50.0		104	80-120						

<b>Duplicate (BH30100-DUP1)</b>		<b>Duplicate</b>										*Source sample: 23G1635-02 (RIMW06_072723)		Prepared: 08/02/2023 Analyzed: 08/03/2023	
Antimony	ND	1.11	ug/L		ND							20			
Arsenic	20.8	1.11	"		20.2					3.13		20			
Beryllium	ND	0.333	"		ND							20			
Cadmium	ND	0.556	"		ND							20			
Selenium	3.03	1.11	"		ND							20			
Thallium	ND	1.11	"		ND							20			

<b>Matrix Spike (BH30100-MS1)</b>		<b>Matrix Spike</b>										*Source sample: 23G1635-02 (RIMW06_072723)		Prepared: 08/02/2023 Analyzed: 08/03/2023	
Antimony	66.9		ug/L	50.0	0.821	132	75-125	High Bias							
Arsenic	72.3		"	50.0	18.2	108	75-125								
Beryllium	47.0		"	50.0	0.011	94.1	75-125								
Cadmium	55.3		"	50.0	0.149	110	75-125								
Selenium	49.0		"	50.0	-0.110	98.0	75-125								
Thallium	49.6		"	50.0	-0.037	99.3	75-125								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30177 - EPA 3015A</b>												
<b>Blank (BH30177-BLK1)</b>	<b>Blank</b>								Prepared: 08/03/2023 Analyzed: 08/04/2023			
Antimony - Dissolved	ND	1.11	ug/L									
Arsenic - Dissolved	ND	1.11	"									
Beryllium - Dissolved	ND	0.333	"									
Cadmium - Dissolved	ND	0.556	"									
Selenium - Dissolved	ND	1.11	"									
Thallium - Dissolved	ND	1.11	"									
<b>LCS (BH30177-BS1)</b>	<b>LCS</b>								Prepared: 08/03/2023 Analyzed: 08/04/2023			
Antimony - Dissolved	51.8		ug/L	50.0		104	80-120					
Arsenic - Dissolved	51.9		"	50.0		104	80-120					
Beryllium - Dissolved	53.4		"	50.0		107	80-120					
Cadmium - Dissolved	48.8		"	50.0		97.7	80-120					
Selenium - Dissolved	53.8		"	50.0		108	80-120					
Thallium - Dissolved	51.3		"	50.0		103	80-120					
<b>Duplicate (BH30177-DUP1)</b>	<b>Duplicate</b>								*Source sample: 23G1635-01 (RIMW01_072723) Prepared: 08/03/2023 Analyzed: 08/04/2023			
Antimony - Dissolved	2.47	1.11	ug/L		2.52				2.40	20		
Arsenic - Dissolved	6.76	1.11	"		6.34				6.45	20		
Beryllium - Dissolved	ND	0.333	"		ND					20		
Cadmium - Dissolved	ND	0.556	"		ND					20		
Selenium - Dissolved	4.39	1.11	"		2.13				69.6	20	Non-dir.	
Thallium - Dissolved	ND	1.11	"		ND					20		
<b>Matrix Spike (BH30177-MS1)</b>	<b>Matrix Spike</b>								*Source sample: 23G1635-01 (RIMW01_072723) Prepared: 08/03/2023 Analyzed: 08/04/2023			
Antimony - Dissolved	64.3		ug/L	50.0	2.27	124	75-125					
Arsenic - Dissolved	59.5		"	50.0	5.71	108	75-125					
Beryllium - Dissolved	46.2		"	50.0	0.005	92.4	75-125					
Cadmium - Dissolved	51.2		"	50.0	0.089	102	75-125					
Selenium - Dissolved	67.3		"	50.0	1.91	131	75-125	High Bias				
Thallium - Dissolved	50.6		"	50.0	-0.220	101	75-125					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30175 - EPA SW846-7470A</b>												
<b>Blank (BH30175-BLK1)</b>	Blank										Prepared & Analyzed: 08/03/2023	
Mercury	ND	0.0002	mg/L									
<b>Blank (BH30175-BLK2)</b>	Blank										Prepared & Analyzed: 08/03/2023	
Mercury	ND	0.0002	mg/L									
<b>LCS (BH30175-BS1)</b>	LCS										Prepared & Analyzed: 08/03/2023	
Mercury	0.0018799	0.0002	mg/L	0.00200		94.0	80-120					
<b>LCS (BH30175-BS2)</b>	LCS										Prepared & Analyzed: 08/03/2023	
Mercury	0.0018959	0.0002	mg/L	0.00200		94.8	80-120					
<b>Batch BH30274 - EPA SW846-7470A</b>												
<b>Blank (BH30274-BLK1)</b>	Blank										Prepared & Analyzed: 08/04/2023	
Mercury - Dissolved	ND	0.0002	mg/L									
<b>LCS (BH30274-BS1)</b>	LCS										Prepared & Analyzed: 08/04/2023	
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		98.4	80-120					
<b>Duplicate (BH30274-DUP1)</b>	Duplicate	*Source sample: 23G1567-01 (Duplicate)										Prepared & Analyzed: 08/04/2023
Mercury - Dissolved	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BH30274-MS1)</b>	Matrix Spike	*Source sample: 23G1567-01 (Matrix Spike)										Prepared & Analyzed: 08/04/2023
Mercury - Dissolved	0.0018	0.0002	mg/L	0.00200	ND	90.2	75-125					
<b>Matrix Spike Dup (BH30274-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1567-01 (Matrix Spike Dup)										Prepared & Analyzed: 08/04/2023
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200	ND	102	75-125		11.9		20	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31619 - Analysis Preparation</b>											
<b>Blank (BG31619-BLK1)</b>	Blank								Prepared & Analyzed: 07/27/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG31619-BS1)</b>	LCS								Prepared & Analyzed: 07/27/2023		
Chromium, Hexavalent	0.490	0.0100	mg/L	0.500		98.0	85-115				
<b>Duplicate (BG31619-DUP1)</b>	Duplicate								Prepared & Analyzed: 07/27/2023		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
<b>Matrix Spike (BG31619-MS1)</b>	Matrix Spike								Prepared & Analyzed: 07/27/2023		
Chromium, Hexavalent	0.483	0.0100	mg/L	0.500	ND	96.6	85-115				
<b>Matrix Spike Dup (BG31619-MS1)</b>	Matrix Spike Dup								Prepared & Analyzed: 07/27/2023		
Chromium, Hexavalent	0.482	0.0100	mg/L	0.500	ND	96.4	85-115		0.207	200	
<b>Batch BH30209 - Analysis Preparation</b>											
<b>Blank (BH30209-BLK1)</b>	Blank								Prepared & Analyzed: 08/03/2023		
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BH30209-BS1)</b>	LCS								Prepared & Analyzed: 08/03/2023		
Cyanide, total	0.164	0.0100	mg/L	0.200		82.0	80-120				
<b>Duplicate (BH30209-DUP1)</b>	Duplicate								Prepared & Analyzed: 08/03/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
<b>Matrix Spike (BH30209-MS1)</b>	Matrix Spike								Prepared & Analyzed: 08/03/2023		
Cyanide, total	0.192	0.0100	mg/L	0.200	ND	96.0	79-105				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30209 - Analysis Preparation**

Matrix Spike Dup (BH30209-1)	Matrix Spike Dup	Source sample: 23G1652-01 (Matrix Spike Dup)	Prepared & Analyzed: 08/03/2023									
Cyanide, total	0.0770	0.0100	mg/L	0.200	ND	38.5	79-105	Low Bias	85.5	200		



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1635-01	RIMW01_072723	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1635-02	RIMW06_072723	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1635-03	GWTB03_072723	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 www.yorklab.com 800-306-YORK

Page 1 of 1

**YOUR INFORMATION**  
 Company: LANGAN  
 Address: 360 W 31st Street NYC, NY, 10001  
 Phone: 212-479-5400  
 Contact: Albert Tashji  
 E-mail: ATashji@Langan.com

**Report To:**  
 Company: [arrow]  
 Address: [arrow]  
 Phone: [arrow]  
 Contact: [arrow]  
 E-mail: [arrow]

**Invoice To:**  
 Company: [arrow]  
 Address: [arrow]  
 Phone: [arrow]  
 Contact: [arrow]  
 E-mail: [arrow]

**YOUR PROJECT INFORMATION**  
 YOUR Project Number: 170758101  
 YOUR Project Name: 224 3rd Avenue  
 YOUR PO#: \_\_\_\_\_

**Report / EDD Type** (circle selections)  
 CT RCP  EQUIS (Standard)  
 CT RCP DOA/DUE  ANYSDEC EQUIS  
 NJDEP Reduced  NJDKQP  
 Deliverables  NJDEP SRP HazSite  
 Other: NY ASP B Package

Matrix Codes	Samples From	Report / EDD Type	Analyses Requested	Container Type	No.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report			
GW - groundwater	New Jersey	QA Report			
DW - drinking water	Connecticut	CMDP			
WW - wastewater	Pennsylvania	Standard Excel EDD			
O - Oil	Other:	NY ASP B Package			
<b>Sample Matrix</b>	<b>Date/Time Sampled</b>	<b>Analyses Requested</b>			
GW	7/27/23	Part 375 VOCs & SVOCs, Herbicides, TAL/Part 375 metals (including Hex Tri Chromium, Cyanide, and dissolved metals), PFAS, and 14-dioxane			
GW	1400				
A9	1530	Part 375 VOCs			
A9	1410	PFAS			

**Comments:** Please CC: LMcconnell@Langan.com and Filter for RIMWOC-072723 DataManagement@Langan.com

**Preservation:** (check all that apply)  
 HCl \_\_\_\_\_ MeOH \_\_\_\_\_ HNO3 \_\_\_\_\_ H2SO4 \_\_\_\_\_ NaOH \_\_\_\_\_  
 ZnAc \_\_\_\_\_ Ascorbic Acid \_\_\_\_\_ Other: \_\_\_\_\_

**1. Samples Relinquished by / Company**  
 Date/Time: Ali Reach / Langan 7/27/23 1000

**2. Samples Relinquished by / Company**  
 Date/Time: Ali Reach / Langan 7/27/23 1000

**3. Samples Relinquished by / Company**  
 Date/Time: Ali Reach / Langan 7/27/23 1000

**4. Samples Relinquished by / Company**  
 Date/Time: Ali Reach / Langan 7/27/23 1000

**Special Instruction**  
 Field Filtered \_\_\_\_\_  
 Lab to Filter \_\_\_\_\_

**Temperature**  
 Date/Time: 7/27 20:20  
 Temperature: 2.2 Degrees C



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 08/22/2023

**Client Project ID: 170758101**

York Project (SDG) No.: 23G1703

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/22/2023  
Client Project ID: 170758101  
York Project (SDG) No.: 23G1703

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 28, 2023 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1703-01	RIMW03_072823	Water	07/28/2023	07/28/2023
23G1703-02	RIMW04_072823	Water	07/28/2023	07/28/2023
23G1703-03	GWDUP01_072823	Water	07/28/2023	07/28/2023
23G1703-04	GWECFB04_072823	Water	07/28/2023	07/28/2023
23G1703-05	GWTB04_072823	Water	07/28/2023	07/28/2023

## **General Notes for York Project (SDG) No.: 23G1703**

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

**Approved By**



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/22/2023





### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 8:00 am	<u>Date Received</u> 07/28/2023
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 20:38	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 20:38	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 20:38	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.1 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.7 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
51-28-5	2,4-Dinitrophenol	ND	CCVE,	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
121-14-2	2,4-Dinitrotoluene	ND	QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
606-20-2	2,6-Dinitrotoluene	ND	QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
88-75-5	2-Nitrophenol	ND	QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
91-94-1	3,3-Dichlorobenzidine	ND	CCVE	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCVE, QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
100-02-7	4-Nitrophenol	ND	QL-02	ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH



**Sample Information**

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
105-60-2	Caprolactam	ND	CCVE, QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE, QL-02	ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH
110-86-1	Pyridine	ND	QL-02	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:18	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	23.6 %	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	13.0 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.6 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.5 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	63.1 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.6 %	30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
208-96-8	Acenaphthylene	0.0821		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
120-12-7	Anthracene	0.287		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
56-55-3	Benzo(a)anthracene	0.123		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
50-32-8	Benzo(a)pyrene	0.0923		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
205-99-2	Benzo(b)fluoranthene	0.0821		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
191-24-2	Benzo(g,h,i)perylene	0.0615		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
207-08-9	Benzo(k)fluoranthene	0.0821		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
218-01-9	Chrysene	0.113		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
206-44-0	Fluoranthene	0.236		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
86-73-7	Fluorene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
91-20-3	Naphthalene	1.26	B	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:10	KH



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.267		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH
129-00-0	Pyrene	0.297		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:10	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	08/02/2023 19:45	08/07/2023 12:38	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	77.4 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.28		ng/L	0.479	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	8.34		ng/L	0.356	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.67		ng/L	0.723	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.692	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	14.7		ng/L	0.428	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.835	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	0.539	J	ng/L	0.529	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.764	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.896	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.753	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.703	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.804	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>15.6</b>		ng/L	0.234	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.896	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.927	1.94	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.97	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.09	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>14.4</b>		ng/L	0.336	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.509	3.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.18	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.255	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.377	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.774	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.29	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.713	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
919005-14-4	ADONA	ND		ng/L	0.540	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/07/2023 11:03	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.947	1.98	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.876	1.95	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.07	5.09	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 8:00 am	<u>Date Received</u> 07/28/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.46	25.5	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.64	25.5	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.61	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/07/2023 11:03	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	95.8 %	25-150
Surrogate: M5PFHxA	115 %	25-150
Surrogate: M4PFHpA	98.6 %	25-150
Surrogate: M3PFHxS	87.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	125 %	25-150
Surrogate: M6PFDA	95.8 %	25-150
Surrogate: M7PFUdA	95.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	113 %	25-150
Surrogate: M2PFTeDA	78.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	63.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	129 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	116 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	113 %	10-150
Surrogate: d3-N-MeFOSAA	80.3 %	25-150
Surrogate: d5-N-EtFOSAA	83.9 %	25-150
Surrogate: M2-6:2 FTS	68.4 %	25-200
Surrogate: M2-8:2 FTS	61.7 %	25-200
Surrogate: M9PFNA	75.9 %	25-150
Surrogate: M2-4:2 FTS	141 %	25-150
Surrogate: d-N-MeFOSA	113 %	25-150
Surrogate: d-N-EtFOSA	74.3 %	25-150
Surrogate: M3HFPO-DA	104 %	25-150
Surrogate: d9-N-EtFOSE	73.9 %	25-150
Surrogate: d7-N-MeFOSE	104 %	25-150



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 8:00 am	<u>Date Received</u> 07/28/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
1031-07-8	Endosulfan sulfate	ND	P	ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
7421-93-4	Endrin aldehyde	ND	P	ug/L	0.0111	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 12:47	BCJ



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.222	1	EPA 8081B	08/04/2023 13:20	08/07/2023 12:47	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	92.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.8 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A	08/04/2023 13:20	08/07/2023 13:03	BCJ
							Certifications:			
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	69.5 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	08/01/2023 08:22	08/04/2023 13:40	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	08/01/2023 08:22	08/04/2023 13:40	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	08/01/2023 08:22	08/04/2023 13:40	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 70.4 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>0.455</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-39-3	<b>Barium</b>	<b>0.376</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-70-2	<b>Calcium</b>	<b>237</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7439-89-6	<b>Iron</b>	<b>2.73</b>		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7439-95-4	<b>Magnesium</b>	<b>59.9</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7439-96-5	<b>Manganese</b>	<b>1.18</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-09-7	<b>Potassium</b>	<b>43.7</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-23-5	<b>Sodium</b>	<b>281</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG
7440-66-6	<b>Zinc</b>	<b>0.0370</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:10	CEG

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-39-3	<b>Barium</b>	<b>0.293</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-70-2	<b>Calcium</b>	<b>224</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7439-95-4	<b>Magnesium</b>	<b>55.0</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7439-96-5	<b>Manganese</b>	<b>1.02</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-09-7	<b>Potassium</b>	<b>43.1</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-23-5	<b>Sodium</b>	<b>267</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:38	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw
7440-38-2	<b>Arsenic</b>	<b>1.27</b>		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw



### Sample Information

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 8:00 am

07/28/2023

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:40	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 17:58	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:27	08/09/2023 00:00	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:31	08/07/2023 08:31	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW03\_072823

**York Sample ID:** 23G1703-01

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 8:00 am	<u>Date Received</u> 07/28/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/28/2023 21:24	07/28/2023 21:49	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	08/07/2023 07:23	08/07/2023 16:12	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/03/2023 14:37	08/03/2023 21:54	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.270</b>	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 21:30	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 21:30	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 21:30	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.6 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.4 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.0 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
51-28-5	2,4-Dinitrophenol	ND	QL-02, CCVE	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
121-14-2	2,4-Dinitrotoluene	ND	QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
606-20-2	2,6-Dinitrotoluene	ND	QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
88-75-5	2-Nitrophenol	ND	QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
91-94-1	3,3-Dichlorobenzidine	ND	CCVE	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCVE, QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
100-02-7	4-Nitrophenol	ND	QL-02	ug/L	5.88	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
98-86-2	Acetophenone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
62-53-3	Aniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
100-52-7	Benzaldehyde	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.88	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.18	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
105-60-2	Caprolactam	ND	QL-02, CCVE	ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
86-74-8	Carbazole	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
132-64-9	Dibenzofuran	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
122-39-4	Diphenylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE, QL-02	ug/L	5.88	11.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
78-59-1	Isophorone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
108-95-2	Phenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
110-86-1	Pyridine	ND	QL-02	ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/04/2023 23:49	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	22.4 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	13.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	42.8 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	42.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	55.6 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.0 %			30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
120-12-7	Anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
1912-24-9	Atrazine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
218-01-9	Chrysene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
206-44-0	Fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
86-73-7	Fluorene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0235	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
67-72-1	Hexachloroethane	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
91-20-3	<b>Naphthalene</b>	<b>1.14</b>	<b>B</b>	ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
98-95-3	Nitrobenzene	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 20:41	KH



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH
129-00-0	Pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 20:41	KH

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.880		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	08/02/2023 19:45	08/07/2023 12:55	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	88.5 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.52		ng/L	0.478	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	11.4		ng/L	0.356	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	13.5		ng/L	0.722	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.15		ng/L	0.692	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	33.0		ng/L	0.427	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	6.46		ng/L	0.834	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	2.54		ng/L	0.529	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.763	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.895	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.753	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.702	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ





### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.804	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>13.8</b>		ng/L	0.234	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.895	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1.94	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.96	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.09	7.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>10.5</b>		ng/L	0.336	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.509	3.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.18	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.254	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.376	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>1.18</b>	J	ng/L	0.773	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.29	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.712	7.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
919005-14-4	ADONA	ND		ng/L	0.539	7.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:30	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.946	1.97	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.875	1.95	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.07	5.09	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.46	25.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.64	25.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.61	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:30	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	100 %	25-150
Surrogate: M5PFHxA	147 %	25-150
Surrogate: M4PFHpA	80.2 %	25-150
Surrogate: M3PFHxS	96.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	128 %	25-150
Surrogate: M6PFDA	137 %	25-150
Surrogate: M7PFUdA	75.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	77.3 %	25-150
Surrogate: M2PFTeDA	30.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	3.52 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	121 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	80.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	124 %	10-150
Surrogate: d3-N-MeFOSAA	118 %	25-150
Surrogate: d5-N-EtFOSAA	123 %	25-150
Surrogate: M2-6:2 FTS	352 %	25-200
Surrogate: M2-8:2 FTS	168 %	25-200
Surrogate: M9PFNA	100 %	25-150
Surrogate: M2-4:2 FTS	448 %	25-150
Surrogate: d-N-MeFOSA	96.6 %	25-150
Surrogate: d-N-EtFOSA	43.1 %	25-150
Surrogate: M3HFPO-DA	114 %	25-150
Surrogate: d9-N-EtFOSE	42.3 %	25-150
Surrogate: d7-N-MeFOSE	51.3 %	25-150



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 10:20 am	<u>Date Received</u> 07/28/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:03	BCJ



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 10:20 am	<u>Date Received</u> 07/28/2023
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.235	1	EPA 8081B Certifications:	08/04/2023 13:20	08/07/2023 13:03	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	44.2 %								30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	20.2 %	S-08, S-GC							30-150

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/04/2023 13:20	08/07/2023 13:17	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	08/04/2023 13:20	08/07/2023 13:17	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %								30-120
2051-24-3	Surrogate: Decachlorobiphenyl	114 %								30-120

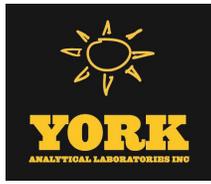
**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:51	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:51	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 13:51	BCJ



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 10:20 am	<u>Date Received</u> 07/28/2023
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**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid ( 78.2 %									

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-39-3	Barium	0.500		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-70-2	Calcium	208		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7439-89-6	Iron	15.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7439-95-4	Magnesium	36.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7439-96-5	Manganese	1.79		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-09-7	Potassium	36.3	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-23-5	Sodium	706		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:13	CEG

**Metals, Target Analyte, ICP Dissolved**

Log-in Notes:

Sample Notes:



### Sample Information

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 10:20 am	<u>Date Received</u> 07/28/2023
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Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-39-3	<b>Barium</b>	<b>0.330</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-70-2	<b>Calcium</b>	<b>187</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7439-95-4	<b>Magnesium</b>	<b>33.3</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7439-96-5	<b>Manganese</b>	<b>1.65</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-09-7	<b>Potassium</b>	<b>31.1</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-23-5	<b>Sodium</b>	<b>614</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:42	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw
7440-38-2	<b>Arsenic</b>	<b>2.81</b>		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw



**Sample Information**

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 10:20 am	<u>Date Received</u> 07/28/2023
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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	1.91	M-BS, M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:44	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:02	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:27	08/09/2023 00:00	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:31	08/16/2023 00:00	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/28/2023 21:24	07/28/2023 21:49	NJO



**Sample Information**

**Client Sample ID:** RIMW04\_072823

**York Sample ID:** 23G1703-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:20 am

07/28/2023

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	08/07/2023 07:23	08/07/2023 16:12	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 14:37	08/03/2023 21:54	SL





### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG





### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG



**Sample Information**

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 22:21	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 22:21	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 22:21	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.5 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.4 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.6 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
51-28-5	2,4-Dinitrophenol	ND	CCVE,	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
121-14-2	2,4-Dinitrotoluene	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
606-20-2	2,6-Dinitrotoluene	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
88-75-5	2-Nitrophenol	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
91-94-1	3,3-Dichlorobenzidine	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
100-02-7	4-Nitrophenol	ND	QL-02	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
105-60-2	Caprolactam	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE, QL-02	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
110-86-1	Pyridine	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/05/2023 00:20	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.0 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	13.2 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.0 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	64.5 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.6 %			30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 12:00 pm	<u>Date Received</u> 07/28/2023
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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.680</b>		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
206-44-0	<b>Fluoranthene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
91-20-3	<b>Naphthalene</b>	<b>0.710</b>	B	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/04/2023 11:50	08/07/2023 21:11	KH



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.0500		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH
129-00-0	Pyrene	0.0600		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 11:50	08/07/2023 21:11	KH

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	08/02/2023 19:45	08/07/2023 13:12	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	78.4 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.54		ng/L	0.470	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	8.76		ng/L	0.350	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.42		ng/L	0.710	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.961	J	ng/L	0.680	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	17.7		ng/L	0.420	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.60		ng/L	0.820	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.520	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.750	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.740	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.690	2.00	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ





### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.790	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>16.0</b>		ng/L	0.230	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.910	1.91	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>15.6</b>		ng/L	0.330	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.500	3.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.14	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.370	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.760	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.23	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.700	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
919005-14-4	ADONA	ND		ng/L	0.530	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:42	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.930	1.94	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.860	1.92	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	5.00	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 12:00 pm	<u>Date Received</u> 07/28/2023
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.33	25.0	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.47	25.0	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:42	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	129 %	25-150
Surrogate: M5PFHxA	134 %	25-150
Surrogate: M4PFHpA	121 %	25-150
Surrogate: M3PFHxS	127 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	117 %	25-150
Surrogate: M6PFDA	99.1 %	25-150
Surrogate: M7PFUdA	98.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	109 %	25-150
Surrogate: M2PFTeDA	76.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	3.67 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	135 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	104 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	143 %	10-150
Surrogate: d3-N-MeFOSAA	107 %	25-150
Surrogate: d5-N-EtFOSAA	118 %	25-150
Surrogate: M2-6:2 FTS	106 %	25-200
Surrogate: M2-8:2 FTS	89.3 %	25-200
Surrogate: M9PFNA	96.0 %	25-150
Surrogate: M2-4:2 FTS	202 %	25-150
Surrogate: d-N-MeFOSA	117 %	25-150
Surrogate: d-N-EtFOSA	78.4 %	25-150
Surrogate: M3HFPO-DA	133 %	25-150
Surrogate: d9-N-EtFOSE	96.2 %	25-150
Surrogate: d7-N-MeFOSE	113 %	25-150



**Sample Information**

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 12:00 pm	<u>Date Received</u> 07/28/2023
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
5103-71-9	alpha-Chlordane	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
7421-93-4	Endrin aldehyde	ND	P	ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 13:00	BCJ



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 13:11	08/03/2023 13:00	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	82.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/03/2023 16:53	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 13:11	08/03/2023 16:53	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	75.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 14:02	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 14:02	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:22	08/04/2023 14:02	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							





### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 12:00 pm	<u>Date Received</u> 07/28/2023
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**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 23.8 %		S-08, S-04		30-150					

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-39-3	<b>Barium</b>	<b>0.371</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-70-2	<b>Calcium</b>	<b>226</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7439-89-6	<b>Iron</b>	<b>2.82</b>		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7439-95-4	<b>Magnesium</b>	<b>60.2</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7439-96-5	<b>Manganese</b>	<b>1.17</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-09-7	<b>Potassium</b>	<b>43.7</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-23-5	<b>Sodium</b>	<b>273</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:24	08/04/2023 15:16	CEG

**Metals, Target Analyte, ICP Dissolved**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



**Sample Information**

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-39-3	<b>Barium</b>	<b>0.298</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-70-2	<b>Calcium</b>	<b>224</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7439-95-4	<b>Magnesium</b>	<b>55.4</b>	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7439-96-5	<b>Manganese</b>	<b>1.06</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-09-7	<b>Potassium</b>	<b>43.4</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-23-5	<b>Sodium</b>	<b>269</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:32	08/07/2023 14:56	CEG

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw
7440-38-2	<b>Arsenic</b>	<b>1.25</b>		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw



### Sample Information

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 12:00 pm

07/28/2023

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw
7782-49-2	Selenium	1.78	M-BS, M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:29	08/04/2023 18:47	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw
7782-49-2	Selenium	2.11	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 08:35	08/04/2023 18:05	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:27	08/09/2023 00:00	PA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 08:31	08/16/2023 00:00	PA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** GWDUP01\_072823

**York Sample ID:** 23G1703-03

<u>York Project (SDG) No.</u> 23G1703	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 28, 2023 12:00 pm	<u>Date Received</u> 07/28/2023
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**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	07/28/2023 21:24	07/28/2023 21:49	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	08/07/2023 07:23	08/07/2023 16:12	PAM
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2014	08/04/2023 08:44	08/04/2023 16:45	JAMT
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										





### Sample Information

**Client Sample ID:** GWECFB04\_072823

**York Sample ID:** 23G1703-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:50 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.503	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.375	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.760	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.728	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.450	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.878	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.557	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.803	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.21	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.942	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.792	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.739	2.14	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.846	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.10	2.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.246	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.942	2.14	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.974	2.04	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.41	2.07	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.13	8.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.19	8.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.353	8.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ



### Sample Information

**Client Sample ID:** GWECFB04\_072823

**York Sample ID:** 23G1703-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:50 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.535	3.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.29	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.268	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.396	4.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.814	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.92	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.46	8.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.48	8.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.749	8.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
919005-14-4	ADONA	ND		ng/L	0.567	8.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/04/2023 11:06	08/08/2023 15:55	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.996	2.08	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.921	2.06	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.17	5.35	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.85	26.8	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.8	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.27	21.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.69	2.14	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.27	21.4	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.93	2.14	1	EPA 1633 Draft 3 Certifications:	08/04/2023 11:06	08/08/2023 15:55	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

115 %

25-150

Surrogate: M5PFHxA

118 %

25-150

Surrogate: M4PFHpA

128 %

25-150

Surrogate: M3PFHxS

144 %

25-150



**Sample Information**

**Client Sample ID:** GWECFB04\_072823

**York Sample ID:** 23G1703-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 10:50 am

07/28/2023

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %			25-150						
	Surrogate: M6PFDA	112 %			25-150						
	Surrogate: M7PFUdA	101 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	96.0 %			25-150						
	Surrogate: M2PFTeDA	44.2 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	0.547 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	121 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	3.97 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	130 %			10-150						
	Surrogate: d3-N-MeFOSAA	86.0 %			25-150						
	Surrogate: d5-N-EtFOSAA	72.9 %			25-150						
	Surrogate: M2-6:2 FTS	115 %			25-200						
	Surrogate: M2-8:2 FTS	81.7 %			25-200						
	Surrogate: M9PFNA	83.7 %			25-150						
	Surrogate: M2-4:2 FTS	136 %			25-150						
	Surrogate: d-N-MeFOSA	155 %			25-150						
	Surrogate: d-N-EtFOSA	80.4 %			25-150						
	Surrogate: M3HFPO-DA	124 %			25-150						
	Surrogate: d9-N-EtFOSE	45.7 %			25-150						
	Surrogate: d7-N-MeFOSE	50.7 %			25-150						



### Sample Information

**Client Sample ID:** GWTB04\_072823

**York Sample ID:** 23G1703-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 11:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG



### Sample Information

**Client Sample ID:** GWTB04\_072823

**York Sample ID:** 23G1703-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 11:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
67-64-1	<b>Acetone</b>	<b>3.03</b>		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG



### Sample Information

**Client Sample ID:** GWTB04\_072823

**York Sample ID:** 23G1703-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1703

170758101

Water

July 28, 2023 11:00 am

07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
75-09-2	<b>Methylene chloride</b>	<b>1.50</b>		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 07:10	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG



**Sample Information**

**Client Sample ID:** GWTB04\_072823

**York Sample ID:** 23G1703-05

York Project (SDG) No.  
23G1703

Client Project ID  
170758101

Matrix  
Water

Collection Date/Time  
July 28, 2023 11:00 am

Date Received  
07/28/2023

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 07:10	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 07:10	JTG
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						



### Analytical Batch Summary

**Batch ID:** BG31704      **Preparation Method:** Analysis Preparation      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	07/28/23
23G1703-02	RIMW04_072823	07/28/23
23G1703-03	GWDUP01_072823	07/28/23
BG31704-BLK1	Blank	07/28/23
BG31704-BS1	LCS	07/28/23
BG31704-DUP1	Duplicate	07/28/23
BG31704-MS1	Matrix Spike	07/28/23
BG31704-MSD1	Matrix Spike Dup	07/28/23

**Batch ID:** BG31810      **Preparation Method:** EPA 3510C      **Prepared By:** SCC

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-03	GWDUP01_072823	08/01/23
23G1703-03	GWDUP01_072823	08/01/23
BG31810-BLK1	Blank	08/01/23
BG31810-BLK2	Blank	08/01/23
BG31810-BS1	LCS	08/01/23
BG31810-BS2	LCS	08/01/23
BG31810-BSD1	LCS Dup	08/01/23
BG31810-BSD2	LCS Dup	08/01/23

**Batch ID:** BG31811      **Preparation Method:** EPA 8151A      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/01/23
23G1703-02	RIMW04_072823	08/01/23
23G1703-03	GWDUP01_072823	08/01/23
BG31811-BLK1	Blank	08/01/23
BG31811-BLK2	Blank	08/01/23
BG31811-BS1	LCS	08/01/23
BG31811-MRL1	MRL Check	08/01/23
BG31811-MRL2	MRL Check	08/01/23
BG31811-MS1	Matrix Spike	08/01/23
BG31811-MSD1	Matrix Spike Dup	08/01/23

**Batch ID:** BH30153      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/02/23
23G1703-02	RIMW04_072823	08/02/23
23G1703-03	GWDUP01_072823	08/02/23
BH30153-BLK1	Blank	08/02/23
BH30153-BS1	LCS	08/02/23
BH30153-MS1	Matrix Spike	08/02/23



BH30153-MSD1 Matrix Spike Dup 08/02/23

**Batch ID:** BH30197 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-05	GWTB04_072823	08/01/23
BH30197-BLK1	Blank	08/01/23
BH30197-BS1	LCS	08/01/23
BH30197-BSD1	LCS Dup	08/01/23

**Batch ID:** BH30199 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/03/23
23G1703-02	RIMW04_072823	08/03/23
23G1703-03	GWDUP01_072823	08/03/23
BH30199-BLK1	Blank	08/03/23
BH30199-BS1	LCS	08/03/23
BH30199-BSD1	LCS Dup	08/03/23

**Batch ID:** BH30209 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/03/23
23G1703-02	RIMW04_072823	08/03/23
BH30209-BLK1	Blank	08/03/23
BH30209-BS1	LCS	08/03/23
BH30209-DUP1	Duplicate	08/03/23
BH30209-MS1	Matrix Spike	08/03/23
BH30209-MSD1	Matrix Spike Dup	08/03/23

**Batch ID:** BH30255 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-03	GWDUP01_072823	08/04/23
BH30255-BLK1	Blank	08/04/23
BH30255-BS1	LCS	08/04/23
BH30255-DUP1	Duplicate	08/04/23
BH30255-MS1	Matrix Spike	08/04/23
BH30255-PS1	Post Spike	08/04/23

**Batch ID:** BH30256 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23



23G1703-03	GWDUP01_072823	08/04/23
BH30256-BLK1	Blank	08/04/23
BH30256-BS1	LCS	08/04/23
BH30256-DUP1	Duplicate	08/04/23
BH30256-MS1	Matrix Spike	08/04/23

**Batch ID:** BH30257      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-03	GWDUP01_072823	08/04/23
BH30257-BLK1	Blank	08/04/23
BH30257-BS1	LCS	08/04/23
BH30257-DUP1	Duplicate	08/04/23
BH30257-MS1	Matrix Spike	08/04/23
BH30257-PS1	Post Spike	08/04/23

**Batch ID:** BH30258      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-03	GWDUP01_072823	08/04/23
BH30258-BLK1	Blank	08/04/23
BH30258-BS1	LCS	08/04/23
BH30258-DUP1	Duplicate	08/04/23
BH30258-MS1	Matrix Spike	08/04/23

**Batch ID:** BH30260      **Preparation Method:** Analysis Preparation      **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-03	GWDUP01_072823	08/04/23
BH30260-BLK1	Blank	08/04/23
BH30260-BS1	LCS	08/04/23
BH30260-DUP1	Duplicate	08/04/23
BH30260-MS1	Matrix Spike	08/04/23
BH30260-MSD1	Matrix Spike Dup	08/04/23

**Batch ID:** BH30270      **Preparation Method:** EPA 1633 Prep      **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-03	GWDUP01_072823	08/04/23
23G1703-04	GWECFB04_072823	08/04/23
BH30270-BLK1	Blank	08/04/23
BH30270-BS1	LCS	08/04/23
BH30270-BS2	LCS	08/04/23



BH30270-DUP1 Duplicate 08/04/23  
BH30270-DUP2 Duplicate 08/04/23  
BH30270-MRL1 MRL Check 08/04/23

**Batch ID:** BH30303      **Preparation Method:** EPA 3510C      **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-03	GWDUP01_072823	08/04/23
BH30303-BLK1	Blank	08/04/23
BH30303-BLK2	Blank	08/04/23
BH30303-BS1	LCS	08/04/23
BH30303-BS2	LCS	08/04/23
BH30303-BSD1	LCS Dup	08/04/23

**Batch ID:** BH30310      **Preparation Method:** EPA 3510C      **Prepared By:** SCC

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/04/23
23G1703-01	RIMW03_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
23G1703-02	RIMW04_072823	08/04/23
BH30310-BLK1	Blank	08/04/23
BH30310-BLK2	Blank	08/04/23
BH30310-BS1	LCS	08/04/23
BH30310-BS2	LCS	08/04/23
BH30310-BSD1	LCS Dup	08/04/23
BH30310-BSD2	LCS Dup	08/04/23

**Batch ID:** BH30366      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/07/23
23G1703-02	RIMW04_072823	08/07/23
23G1703-03	GWDUP01_072823	08/07/23

**Batch ID:** BH30386      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/07/23
23G1703-02	RIMW04_072823	08/07/23
23G1703-03	GWDUP01_072823	08/07/23
BH30386-BLK1	Blank	08/07/23
BH30386-BLK2	Blank	08/07/23
BH30386-BS1	LCS	08/07/23
BH30386-BS2	LCS	08/07/23



**Batch ID:** BH30389

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1703-01	RIMW03_072823	08/07/23
23G1703-02	RIMW04_072823	08/07/23
23G1703-02RE1	RIMW04_072823	08/07/23
23G1703-03	GWDUP01_072823	08/07/23
23G1703-03RE1	GWDUP01_072823	08/07/23
BH30389-BLK1	Blank	08/07/23
BH30389-BS1	LCS	08/07/23
BH30389-DUP1	Duplicate	08/07/23
BH30389-MS1	Matrix Spike	08/07/23
BH30389-MSD1	Matrix Spike Dup	08/07/23



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

**Blank (BH30197-BLK1)      Blank** Prepared: 08/01/2023 Analyzed: 08/02/2023

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



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30197 - EPA 5030B**

<b>Blank (BH30197-BLK1)</b>		<b>Blank</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURRE: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.61		"	10.0		96.1	79-122				

<b>LCS (BH30197-BS1)</b>		<b>LCS</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023							
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	8.87		"	10.0		88.7	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	7.06		"	10.0		70.6	45-147				
1,2-Dibromoethane	8.73		"	10.0		87.3	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	180		"	210		85.8	10-349				
2-Butanone	8.39		"	10.0		83.9	49-152				
2-Hexanone	6.71		"	10.0		67.1	51-146				
4-Methyl-2-pentanone	6.59		"	10.0		65.9	57-145				
Acetone	8.21		"	10.0		82.1	14-150				
Acrolein	8.01		"	10.0		80.1	10-153				
Acrylonitrile	8.03		"	10.0		80.3	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	9.87		"	10.0		98.7	77-128				
Bromodichloromethane	8.34		"	10.0		83.4	79-128				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS (BH30197-BS1)</b>	<b>LCS</b>										Prepared: 08/01/2023 Analyzed: 08/02/2023
Bromoform	6.94		ug/L	10.0		69.4	78-133	Low Bias			
Bromomethane	8.34		"	10.0		83.4	43-168				
Carbon disulfide	9.63		"	10.0		96.3	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.87		"	10.0		98.7	88-120				
Chloroethane	11.4		"	10.0		114	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	80-131	Low Bias			
Cyclohexane	4.82		"	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	8.37		"	10.0		83.7	80-130				
Dibromomethane	8.68		"	10.0		86.8	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	7.78		"	10.0		77.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.19		"	10.0		81.9	76-135				
Methylcyclohexane	9.31		"	10.0		93.1	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	9.92		"	10.0		99.2	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.86		"	10.0		98.6	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	21.5		"	50.0		43.0	25-162				
tert-Butylbenzene	8.62		"	10.0		86.2	77-138				
Tetrachloroethylene	9.84		"	10.0		98.4	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	7.05		"	10.0		70.5	78-131	Low Bias			
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	14.4		"	10.0		144	67-139	High Bias			
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURRE: Toluene-d8	9.65		"	10.0		96.5	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
LCS Dup (BH30197-BSD1)	LCS Dup										Prepared: 08/01/2023 Analyzed: 08/02/2023
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		0.107	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		6.08	30	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		5.11	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		1.03	30	
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129		2.46	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.48	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136		0.795	30	
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		0.875	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		1.34	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.782	30	
1,2-Dibromo-3-chloropropane	7.38		"	10.0		73.8	45-147		4.43	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.229	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.299	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		3.93	30	
1,2-Dichloropropane	9.21		"	10.0		92.1	78-126		1.20	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		1.34	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		0.696	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.304	30	
1,4-Dioxane	187		"	210		89.0	10-349		3.70	30	
2-Butanone	8.41		"	10.0		84.1	49-152		0.238	30	
2-Hexanone	6.58		"	10.0		65.8	51-146		1.96	30	
4-Methyl-2-pentanone	6.67		"	10.0		66.7	57-145		1.21	30	
Acetone	8.27		"	10.0		82.7	14-150		0.728	30	
Acrolein	8.30		"	10.0		83.0	10-153		3.56	30	
Acrylonitrile	8.16		"	10.0		81.6	51-150		1.61	30	
Benzene	10.3		"	10.0		103	85-126		1.25	30	
Bromochloromethane	9.85		"	10.0		98.5	77-128		0.203	30	
Bromodichloromethane	8.16		"	10.0		81.6	79-128		2.18	30	
Bromoform	6.91		"	10.0		69.1	78-133	Low Bias	0.433	30	
Bromomethane	8.80		"	10.0		88.0	43-168		5.37	30	
Carbon disulfide	9.40		"	10.0		94.0	68-146		2.42	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		5.83	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		0.406	30	
Chloroethane	11.2		"	10.0		112	65-136		1.78	30	
Chloroform	9.99		"	10.0		99.9	82-128		3.06	30	
Chloromethane	11.0		"	10.0		110	43-155		1.00	30	
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129		3.09	30	
cis-1,3-Dichloropropylene	7.55		"	10.0		75.5	80-131	Low Bias	0.265	30	
Cyclohexane	4.58		"	10.0		45.8	63-149	Low Bias	5.11	30	
Dibromochloromethane	8.25		"	10.0		82.5	80-130		1.44	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		0.460	30	
Dichlorodifluoromethane	14.0		"	10.0		140	44-144		4.40	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	7.40		"	10.0		74.0	67-146		5.01	30	
Isopropylbenzene	9.90		"	10.0		99.0	76-140		1.20	30	
Methyl acetate	7.88		"	10.0		78.8	51-139		2.26	30	
Methyl tert-butyl ether (MTBE)	8.26		"	10.0		82.6	76-135		0.851	30	
Methylcyclohexane	8.94		"	10.0		89.4	72-143		4.05	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		1.80	30	
n-Butylbenzene	9.70		"	10.0		97.0	79-132		2.24	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30197 - EPA 5030B</b>											
<b>LCS Dup (BH30197-bsd1)</b>	<b>LCS Dup</b>	Prepared: 08/01/2023 Analyzed: 08/02/2023									
n-Propylbenzene	9.76		ug/L	10.0		97.6	78-133		2.53	30	
o-Xylene	9.73		"	10.0		97.3	78-130		2.74	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		2.12	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		0.195	30	
sec-Butylbenzene	9.71		"	10.0		97.1	79-137		1.53	30	
Styrene	9.63		"	10.0		96.3	67-132		2.06	30	
tert-Butyl alcohol (TBA)	22.3		"	50.0		44.5	25-162		3.52	30	
tert-Butylbenzene	8.57		"	10.0		85.7	77-138		0.582	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		6.18	30	
Toluene	9.59		"	10.0		95.9	80-127		2.37	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		3.34	30	
trans-1,3-Dichloropropylene	6.92		"	10.0		69.2	78-131	Low Bias	1.86	30	
Trichloroethylene	9.23		"	10.0		92.3	82-128		2.67	30	
Trichlorofluoromethane	13.6		"	10.0		136	67-139		5.85	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		3.04	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.93		"	10.0		99.3	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.77		"	10.0		97.7	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.0		"	10.0		100	79-122				

<b>Batch BH30199 - EPA 5030B</b>											
<b>Blank (BH30199-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 08/03/2023									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30199 - EPA 5030B**

**Blank (BH30199-BLK1)      Blank** Prepared & Analyzed: 08/03/2023

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	8.73		"	10.0		87.3	69-130				
<i>Surrogate: Surr: Toluene-d8</i>	9.68		"	10.0		96.8	81-117				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30199 - EPA 5030B</b>											
<b>LCS (BH30199-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 08/03/2023									
1,1,1,2-Tetrachloroethane	8.85		ug/L	10.0		88.5	82-126				
1,1,1-Trichloroethane	8.81		"	10.0		88.1	78-136				
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.66		"	10.0		86.6	82-123				
1,1-Dichloroethane	9.37		"	10.0		93.7	82-129				
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138				
1,2,3-Trichlorobenzene	8.18		"	10.0		81.8	76-136				
1,2,3-Trichloropropane	9.44		"	10.0		94.4	77-128				
1,2,4-Trichlorobenzene	8.65		"	10.0		86.5	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	45-147				
1,2-Dibromoethane	8.63		"	10.0		86.3	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	8.65		"	10.0		86.5	73-132				
1,2-Dichloropropane	9.37		"	10.0		93.7	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
1,4-Dioxane	195		"	210		93.1	10-349				
2-Butanone	9.00		"	10.0		90.0	49-152				
2-Hexanone	6.65		"	10.0		66.5	51-146				
4-Methyl-2-pentanone	6.69		"	10.0		66.9	57-145				
Acetone	6.78		"	10.0		67.8	14-150				
Acrolein	9.08		"	10.0		90.8	10-153				
Acrylonitrile	8.19		"	10.0		81.9	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	9.44		"	10.0		94.4	77-128				
Bromodichloromethane	7.58		"	10.0		75.8	79-128	Low Bias			
Bromoform	6.52		"	10.0		65.2	78-133	Low Bias			
Bromomethane	12.8		"	10.0		128	43-168				
Carbon disulfide	9.07		"	10.0		90.7	68-146				
Carbon tetrachloride	9.12		"	10.0		91.2	77-141				
Chlorobenzene	9.73		"	10.0		97.3	88-120				
Chloroethane	10.7		"	10.0		107	65-136				
Chloroform	9.39		"	10.0		93.9	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	83-129				
cis-1,3-Dichloropropylene	8.16		"	10.0		81.6	80-131				
Cyclohexane	4.82		"	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	7.72		"	10.0		77.2	80-130	Low Bias			
Dibromomethane	8.42		"	10.0		84.2	72-134				
Dichlorodifluoromethane	9.82		"	10.0		98.2	44-144				
Ethyl Benzene	9.99		"	10.0		99.9	80-131				
Hexachlorobutadiene	6.22		"	10.0		62.2	67-146	Low Bias			
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl acetate	8.66		"	10.0		86.6	51-139				
Methyl tert-butyl ether (MTBE)	7.88		"	10.0		78.8	76-135				
Methylcyclohexane	9.41		"	10.0		94.1	72-143				
Methylene chloride	9.39		"	10.0		93.9	55-137				
n-Butylbenzene	9.74		"	10.0		97.4	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30199 - EPA 5030B</b>												
<b>LCS (BH30199-BS1)</b>	<b>LCS</b>						<b>Prepared &amp; Analyzed: 08/03/2023</b>					
n-Propylbenzene	10.6		ug/L	10.0		106	78-133					
o-Xylene	9.51		"	10.0		95.1	78-130					
p- & m- Xylenes	19.6		"	20.0		98.0	77-133					
p-Isopropyltoluene	10.6		"	10.0		106	81-136					
sec-Butylbenzene	10.2		"	10.0		102	79-137					
Styrene	9.55		"	10.0		95.5	67-132					
tert-Butyl alcohol (TBA)	24.5		"	50.0		48.9	25-162					
tert-Butylbenzene	8.94		"	10.0		89.4	77-138					
Tetrachloroethylene	9.56		"	10.0		95.6	82-131					
Toluene	9.81		"	10.0		98.1	80-127					
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132					
trans-1,3-Dichloropropylene	7.46		"	10.0		74.6	78-131	Low Bias				
Trichloroethylene	9.00		"	10.0		90.0	82-128					
Trichlorofluoromethane	11.0		"	10.0		110	67-139					
Vinyl Chloride	10.7		"	10.0		107	58-145					
Surrogate: SURR: 1,2-Dichloroethane-d4	8.59		"	10.0		85.9	69-130					
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117					
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122					
<b>LCS Dup (BH30199-BSD1)</b>	<b>LCS Dup</b>						<b>Prepared &amp; Analyzed: 08/03/2023</b>					
1,1,1,2-Tetrachloroethane	8.63		ug/L	10.0		86.3	82-126		2.52	30		
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136		1.60	30		
1,1,2,2-Tetrachloroethane	8.97		"	10.0		89.7	76-129		6.79	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		1.64	30		
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123		2.93	30		
1,1-Dichloroethane	9.36		"	10.0		93.6	82-129		0.107	30		
1,1-Dichloroethylene	9.58		"	10.0		95.8	68-138		2.07	30		
1,2,3-Trichlorobenzene	8.09		"	10.0		80.9	76-136		1.11	30		
1,2,3-Trichloropropane	8.63		"	10.0		86.3	77-128		8.97	30		
1,2,4-Trichlorobenzene	8.56		"	10.0		85.6	76-137		1.05	30		
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		4.03	30		
1,2-Dibromo-3-chloropropane	6.56		"	10.0		65.6	45-147		5.92	30		
1,2-Dibromoethane	8.33		"	10.0		83.3	83-124		3.54	30		
1,2-Dichlorobenzene	9.88		"	10.0		98.8	79-123		4.36	30		
1,2-Dichloroethane	8.45		"	10.0		84.5	73-132		2.34	30		
1,2-Dichloropropane	9.17		"	10.0		91.7	78-126		2.16	30		
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		3.55	30		
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		3.63	30		
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		3.17	30		
1,4-Dioxane	203		"	210		96.7	10-349		3.83	30		
2-Butanone	8.79		"	10.0		87.9	49-152		2.36	30		
2-Hexanone	6.57		"	10.0		65.7	51-146		1.21	30		
4-Methyl-2-pentanone	6.53		"	10.0		65.3	57-145		2.42	30		
Acetone	6.37		"	10.0		63.7	14-150		6.24	30		
Acrolein	9.19		"	10.0		91.9	10-153		1.20	30		
Acrylonitrile	8.38		"	10.0		83.8	51-150		2.29	30		
Benzene	10.5		"	10.0		105	85-126		0.286	30		
Bromochloromethane	9.21		"	10.0		92.1	77-128		2.47	30		
Bromodichloromethane	7.45		"	10.0		74.5	79-128	Low Bias	1.73	30		
Bromoform	6.36		"	10.0		63.6	78-133	Low Bias	2.48	30		
Bromomethane	13.0		"	10.0		130	43-168		1.70	30		



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30199 - EPA 5030B</b>											
<b>LCS Dup (BH30199-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 08/03/2023		
Carbon disulfide	9.05		ug/L	10.0		90.5	68-146		0.221	30	
Carbon tetrachloride	8.87		"	10.0		88.7	77-141		2.78	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.03	30	
Chloroethane	10.6		"	10.0		106	65-136		1.50	30	
Chloroform	9.23		"	10.0		92.3	82-128		1.72	30	
Chloromethane	10.6		"	10.0		106	43-155		1.50	30	
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	83-129		1.55	30	
cis-1,3-Dichloropropylene	8.02		"	10.0		80.2	80-131		1.73	30	
Cyclohexane	4.68		"	10.0		46.8	63-149	Low Bias	2.95	30	
Dibromochloromethane	7.53		"	10.0		75.3	80-130	Low Bias	2.49	30	
Dibromomethane	8.14		"	10.0		81.4	72-134		3.38	30	
Dichlorodifluoromethane	9.43		"	10.0		94.3	44-144		4.05	30	
Ethyl Benzene	9.77		"	10.0		97.7	80-131		2.23	30	
Hexachlorobutadiene	6.43		"	10.0		64.3	67-146	Low Bias	3.32	30	
Isopropylbenzene	10.1		"	10.0		101	76-140		6.33	30	
Methyl acetate	8.72		"	10.0		87.2	51-139		0.690	30	
Methyl tert-butyl ether (MTBE)	7.88		"	10.0		78.8	76-135		0.00	30	
Methylcyclohexane	9.25		"	10.0		92.5	72-143		1.71	30	
Methylene chloride	9.19		"	10.0		91.9	55-137		2.15	30	
n-Butylbenzene	9.55		"	10.0		95.5	79-132		1.97	30	
n-Propylbenzene	10.0		"	10.0		100	78-133		5.80	30	
o-Xylene	9.37		"	10.0		93.7	78-130		1.48	30	
p- & m- Xylenes	19.4		"	20.0		96.8	77-133		1.13	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.36	30	
sec-Butylbenzene	9.76		"	10.0		97.6	79-137		3.92	30	
Styrene	9.56		"	10.0		95.6	67-132		0.105	30	
tert-Butyl alcohol (TBA)	23.3		"	50.0		46.6	25-162		4.94	30	
tert-Butylbenzene	8.55		"	10.0		85.5	77-138		4.46	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		3.30	30	
Toluene	9.56		"	10.0		95.6	80-127		2.58	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		0.613	30	
trans-1,3-Dichloropropylene	7.17		"	10.0		71.7	78-131	Low Bias	3.96	30	
Trichloroethylene	8.92		"	10.0		89.2	82-128		0.893	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		2.94	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		1.03	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>8.89</i>		<i>"</i>	<i>10.0</i>		<i>88.9</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30303 - EPA 3510C

Blank (BH30303-BLK1)	Blank										
											Prepared & Analyzed: 08/04/2023
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30303 - EPA 3510C

Blank (BH30303-BLK1)	Blank	Prepared & Analyzed: 08/04/2023									
Surrogate: SURR: 2-Fluorophenol	14.2		ug/L	50.0		28.3	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.40		"	50.0		14.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	14.1		"	25.0		56.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	13.4		"	25.0		53.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	32.9		"	50.0		65.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.8		"	25.0		71.2	30.7-106				

Blank (BH30303-BLK2)	Blank	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.0600	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30303 - EPA 3510C</b>											
<b>LCS (BH30303-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 08/04/2023									
1,1-Biphenyl	10.5	5.00	ug/L	25.0		41.8	33-95				
1,2,4,5-Tetrachlorobenzene	14.1	5.00	"	25.0		56.4	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	9.86	5.00	"	25.0		39.4	16-141				
2,3,4,6-Tetrachlorophenol	13.4	5.00	"	25.0		53.4	30-130				
2,4,5-Trichlorophenol	12.2	5.00	"	25.0		48.8	32-114				
2,4,6-Trichlorophenol	12.2	5.00	"	25.0		48.8	35-118				
2,4-Dichlorophenol	13.1	5.00	"	25.0		52.5	25-116				
2,4-Dimethylphenol	10.3	5.00	"	25.0		41.0	15-116				
2,4-Dinitrophenol	ND	5.00	"	25.0			10-170	Low Bias			
2,4-Dinitrotoluene	7.96	5.00	"	25.0		31.8	41-128	Low Bias			
2,6-Dinitrotoluene	9.07	5.00	"	25.0		36.3	45-116	Low Bias			
2-Chloronaphthalene	10.5	5.00	"	25.0		41.9	33-112				
2-Chlorophenol	10.4	5.00	"	25.0		41.8	15-120				
2-Methylnaphthalene	11.1	5.00	"	25.0		44.5	24-118				
2-Methylphenol	8.56	5.00	"	25.0		34.2	10-110				
2-Nitroaniline	13.5	5.00	"	25.0		53.9	34-129				
2-Nitrophenol	6.02	5.00	"	25.0		24.1	28-118	Low Bias			
3- & 4-Methylphenols	6.65	5.00	"	25.0		26.6	10-107				
3,3-Dichlorobenzidine	11.3	5.00	"	25.0		45.2	15-187				
3-Nitroaniline	12.6	5.00	"	25.0		50.2	24-134				
4,6-Dinitro-2-methylphenol	ND	5.00	"	25.0			10-153	Low Bias			
4-Bromophenyl phenyl ether	11.0	5.00	"	25.0		44.0	34-120				
4-Chloro-3-methylphenol	12.4	5.00	"	25.0		49.7	20-120				
4-Chloroaniline	9.54	5.00	"	25.0		38.2	10-147				
4-Chlorophenyl phenyl ether	10.6	5.00	"	25.0		42.6	27-121				
4-Nitroaniline	14.1	5.00	"	25.0		56.5	13-134				
4-Nitrophenol	ND	5.00	"	25.0			10-131	Low Bias			
Acetophenone	10.5	5.00	"	25.0		41.9	25-110				
Aniline	4.60	5.00	"	25.0		18.4	10-117				
Benzaldehyde	10.3	5.00	"	25.0		41.0	29-117				
Benzoic acid	4.88	5.00	"	25.0		19.5	30-130	Low Bias			
Benzyl alcohol	6.53	5.00	"	25.0		26.1	10-117				
Benzyl butyl phthalate	13.6	5.00	"	25.0		54.3	29-133				
Bis(2-chloroethoxy)methane	10.8	5.00	"	25.0		43.3	10-154				
Bis(2-chloroethyl)ether	10.3	5.00	"	25.0		41.3	17-125				
Bis(2-chloroisopropyl)ether	9.55	5.00	"	25.0		38.2	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	11.8	5.00	"	25.0		47.3	42-126				
Dibenzofuran	10.8	5.00	"	25.0		43.0	36-113				
Diethyl phthalate	10.8	5.00	"	25.0		43.2	38-115				
Dimethyl phthalate	10.6	5.00	"	25.0		42.6	38-129				
Di-n-butyl phthalate	11.5	5.00	"	25.0		46.1	31-120				
Di-n-octyl phthalate	13.9	5.00	"	25.0		55.6	21-149				
Diphenylamine	13.1	5.00	"	25.0		52.5	40-140				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	11.3	5.00	"	25.0		45.4	25-127				
N-nitroso-di-n-propylamine	9.58	5.00	"	25.0		38.3	26-122				
N-Nitrosodiphenylamine	12.8	5.00	"	25.0		51.0	23-149				
Phenol	3.50	5.00	"	25.0		14.0	10-110				
Pyridine	2.84	5.00	"	25.5		11.1	10-90				
Surrogate: SURR: 2-Fluorophenol	13.3		"	50.0		26.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30303 - EPA 3510C

LCS (BH30303-BS1)	LCS	Prepared & Analyzed: 08/04/2023									
Surrogate: SURR: Phenol-d6	7.77		ug/L	50.0		15.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.0		"	25.0		52.1	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	12.2		"	25.0		48.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	30.4		"	50.0		60.9	39.3-151				
Surrogate: SURR: Terphenyl-d14	16.3		"	25.0		65.1	30.7-106				

LCS (BH30303-BS2)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Acenaphthene	0.440	0.0500	ug/L	1.00		44.0	25-116				
Acenaphthylene	0.500	0.0500	"	1.00		50.0	26-116				
Anthracene	0.540	0.0500	"	1.00		54.0	25-123				
Benzo(a)anthracene	0.630	0.0500	"	1.00		63.0	33-125				
Benzo(a)pyrene	0.580	0.0500	"	1.00		58.0	32-132				
Benzo(b)fluoranthene	0.660	0.0500	"	1.00		66.0	22-137				
Benzo(g,h,i)perylene	0.690	0.0500	"	1.00		69.0	10-138				
Benzo(k)fluoranthene	0.610	0.0500	"	1.00		61.0	20-137				
Bis(2-ethylhexyl)phthalate	1.00	0.500	"	1.00		100	10-189				
Chrysene	0.580	0.0500	"	1.00		58.0	32-124				
Dibenzo(a,h)anthracene	0.710	0.0500	"	1.00		71.0	16-133				
Fluoranthene	0.510	0.0500	"	1.00		51.0	32-121				
Fluorene	0.480	0.0500	"	1.00		48.0	28-118				
Hexachlorobenzene	0.630	0.0200	"	1.00		63.0	23-124				
Hexachlorobutadiene	ND	0.500	"	1.00			15-123				Low Bias
Hexachloroethane	2.10	0.500	"	1.00		210	18-115				High Bias
Indeno(1,2,3-cd)pyrene	0.730	0.0500	"	1.00		73.0	15-135				
Naphthalene	1.09	0.0500	"	1.00		109	18-120				
Nitrobenzene	0.580	0.250	"	1.00		58.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124				Low Bias
Pentachlorophenol	1.03	0.250	"	1.00		103	10-156				
Phenanthrene	0.500	0.0500	"	1.00		50.0	24-127				
Pyrene	0.710	0.0500	"	1.00		71.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30303 - EPA 3510C</b>											
<b>LCS Dup (BH30303-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 08/04/2023									
1,1-Biphenyl	9.11	5.00	ug/L	25.0		36.4	33-95		13.8	20	
1,2,4,5-Tetrachlorobenzene	11.6	5.00	"	25.0		46.4	26-120		19.3	20	
1,2-Diphenylhydrazine (as Azobenzene)	8.92	5.00	"	25.0		35.7	16-141		10.0	20	
2,3,4,6-Tetrachlorophenol	12.8	5.00	"	25.0		51.2	30-130		4.21	20	
2,4,5-Trichlorophenol	10.6	5.00	"	25.0		42.6	32-114		13.6	20	
2,4,6-Trichlorophenol	10.6	5.00	"	25.0		42.6	35-118		13.6	20	
2,4-Dichlorophenol	10.2	5.00	"	25.0		40.6	25-116		25.6	20	Non-dir.
2,4-Dimethylphenol	8.13	5.00	"	25.0		32.5	15-116		23.2	20	Non-dir.
2,4-Dinitrophenol	ND	5.00	"	25.0			10-170	Low Bias		20	
2,4-Dinitrotoluene	7.58	5.00	"	25.0		30.3	41-128	Low Bias	4.89	20	
2,6-Dinitrotoluene	7.90	5.00	"	25.0		31.6	45-116	Low Bias	13.8	20	
2-Chloronaphthalene	8.68	5.00	"	25.0		34.7	33-112		18.7	20	
2-Chlorophenol	8.42	5.00	"	25.0		33.7	15-120		21.5	20	Non-dir.
2-Methylnaphthalene	9.13	5.00	"	25.0		36.5	24-118		19.7	20	
2-Methylphenol	6.77	5.00	"	25.0		27.1	10-110		23.4	20	Non-dir.
2-Nitroaniline	12.1	5.00	"	25.0		48.5	34-129		10.5	20	
2-Nitrophenol	4.74	5.00	"	25.0		19.0	28-118	Low Bias	23.8	20	Non-dir.
3- & 4-Methylphenols	5.37	5.00	"	25.0		21.5	10-107		21.3	20	Non-dir.
3,3-Dichlorobenzidine	10.2	5.00	"	25.0		40.9	15-187		10.0	20	
3-Nitroaniline	12.0	5.00	"	25.0		48.0	24-134		4.56	20	
4,6-Dinitro-2-methylphenol	ND	5.00	"	25.0			10-153	Low Bias		20	
4-Bromophenyl phenyl ether	10.4	5.00	"	25.0		41.4	34-120		5.90	20	
4-Chloro-3-methylphenol	10.2	5.00	"	25.0		40.7	20-120		20.0	20	
4-Chloroaniline	7.84	5.00	"	25.0		31.4	10-147		19.6	20	
4-Chlorophenyl phenyl ether	9.12	5.00	"	25.0		36.5	27-121		15.4	20	
4-Nitroaniline	14.3	5.00	"	25.0		57.2	13-134		1.13	20	
4-Nitrophenol	ND	5.00	"	25.0			10-131	Low Bias		20	
Acetophenone	9.10	5.00	"	25.0		36.4	25-110		14.0	20	
Aniline	3.49	5.00	"	25.0		14.0	10-117		27.4	20	Non-dir.
Benzaldehyde	8.96	5.00	"	25.0		35.8	29-117		13.5	20	
Benzoic acid	4.73	5.00	"	25.0		18.9	30-130	Low Bias	3.12	20	
Benzyl alcohol	5.19	5.00	"	25.0		20.8	10-117		22.9	20	Non-dir.
Benzyl butyl phthalate	14.1	5.00	"	25.0		56.5	29-133		3.90	20	
Bis(2-chloroethoxy)methane	8.32	5.00	"	25.0		33.3	10-154		26.2	20	Non-dir.
Bis(2-chloroethyl)ether	8.21	5.00	"	25.0		32.8	17-125		22.8	20	Non-dir.
Bis(2-chloroisopropyl)ether	7.82	5.00	"	25.0		31.3	10-139		19.9	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	12.6	5.00	"	25.0		50.2	42-126		5.99	20	
Dibenzofuran	9.23	5.00	"	25.0		36.9	36-113		15.2	20	
Diethyl phthalate	10.3	5.00	"	25.0		41.4	38-115		4.35	20	
Dimethyl phthalate	9.71	5.00	"	25.0		38.8	38-129		9.14	20	
Di-n-butyl phthalate	11.9	5.00	"	25.0		47.7	31-120		3.50	20	
Di-n-octyl phthalate	14.3	5.00	"	25.0		57.1	21-149		2.63	20	
Diphenylamine	12.2	5.00	"	25.0		48.7	40-140		7.51	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Isophorone	8.88	5.00	"	25.0		35.5	25-127		24.3	20	Non-dir.
N-nitroso-di-n-propylamine	7.31	5.00	"	25.0		29.2	26-122		26.9	20	Non-dir.
N-Nitrosodiphenylamine	12.1	5.00	"	25.0		48.3	23-149		5.48	20	
Phenol	2.73	5.00	"	25.0		10.9	10-110		24.7	20	Non-dir.
Pyridine	ND	5.00	"	25.5			10-90	Low Bias		20	
Surrogate: SURR: 2-Fluorophenol	11.2		"	50.0		22.4	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30303 - EPA 3510C

LCS Dup (BH30303-BSD1)    LCS Dup

Prepared & Analyzed: 08/04/2023

Surrogate: SURR: Phenol-d6	6.28		ug/L	50.0		12.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	11.3		"	25.0		45.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	10.3		"	25.0		41.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	30.8		"	50.0		61.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.8		"	25.0		71.2	30.7-106				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30153 - EPA 3535A</b>												
<b>Blank (BH30153-BLK1)</b>	<b>Blank</b>										Prepared: 08/02/2023 Analyzed: 08/07/2023	
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.44</i>		"	<i>4.00</i>		<i>86.0</i>	<i>36.6-118</i>					
<b>LCS (BH30153-BS1)</b>	<b>LCS</b>										Prepared: 08/02/2023 Analyzed: 08/07/2023	
1,4-Dioxane	3.84	0.300	ug/L	4.00		96.0	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.30</i>		"	<i>4.00</i>		<i>82.5</i>	<i>36.6-118</i>					
<b>Matrix Spike (BH30153-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 23H0065-05 (Matrix Spike)										Prepared: 08/02/2023 Analyzed: 08/07/2023
1,4-Dioxane	3.63	0.300	ug/L	4.00	ND	90.8	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.41</i>		"	<i>4.00</i>		<i>85.3</i>	<i>50-130</i>					
<b>Matrix Spike Dup (BH30153-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 23H0065-05 (Matrix Spike Dup)										Prepared: 08/02/2023 Analyzed: 08/07/2023
1,4-Dioxane	3.84	0.300	ug/L	4.00	ND	96.0	50-130		5.57	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.20</i>		"	<i>4.00</i>		<i>80.0</i>	<i>50-130</i>					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

Blank (BH30270-BLK1) Blank

Prepared: 08/04/2023 Analyzed: 08/07/2023

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	49.9		"	46.6		107	25-150				
Surrogate: M5PFHxA	54.3		"	50.0		109	25-150				
Surrogate: M4PFHpA	44.5		"	50.0		89.1	25-150				
Surrogate: M3PFHxS	40.4		"	47.4		85.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	58.7		"	50.0		117	25-150				
Surrogate: M6PFDA	22.1		"	25.0		88.2	25-150				
Surrogate: M7PFUdA	27.0		"	25.0		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.8		"	25.0		111	25-150				
Surrogate: M2PFTeDA	22.9		"	25.0		91.8	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30270 - EPA 1633 Prep</b>											
<b>Blank (BH30270-BLK1)</b>		<b>Blank</b>		Prepared: 08/04/2023 Analyzed: 08/07/2023							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	66.0		ng/L	200		33.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.1		"	47.9		103	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110		"	100		110	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	50.6		"	50.0		101	10-150				
Surrogate: d3-N-MeFOSAA	147		"	100		147	25-150				
Surrogate: d5-N-EtFOSAA	139		"	100		139	25-150				
Surrogate: M2-6:2 FTS	84.9		"	95.1		89.2	25-200				
Surrogate: M2-8:2 FTS	157		"	96.0		164	25-200				
Surrogate: M9PFNA	21.6		"	25.0		86.3	25-150				
Surrogate: M2-4:2 FTS	102		"	93.8		109	25-150				
Surrogate: d-N-MeFOSA	45.3		"	50.0		90.6	25-150				
Surrogate: d-N-EtFOSA	21.1		"	50.0		42.3	25-150				
Surrogate: M3HFPO-DA	229		"	200		115	25-150				
Surrogate: d9-N-EtFOSE	178		"	500		35.5	25-150				
Surrogate: d7-N-MeFOSE	411		"	500		82.3	25-150				
<b>LCS (BH30270-BS1)</b>		<b>LCS</b>		Prepared: 08/04/2023 Analyzed: 08/07/2023							
Perfluorobutanesulfonic acid (PFBS)	102	3.54	ng/L	70.8		144	50-150				
Perfluorohexanoic acid (PFHxA)	115	4.00	"	80.0		144	50-150				
Perfluoroheptanoic acid (PFHpA)	129	4.00	"	80.0		162	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	117	3.66	"	73.2		160	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	99.1	4.00	"	80.0		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	154	3.72	"	74.4		207	50-150	High Bias			
Perfluorononanoic acid (PFNA)	97.2	4.00	"	80.0		122	50-150				
Perfluorodecanoic acid (PFDA)	101	4.00	"	80.0		126	50-150				
Perfluoroundecanoic acid (PFUnA)	91.9	4.00	"	80.0		115	50-150				
Perfluorododecanoic acid (PFDoA)	113	4.00	"	80.0		141	50-150				
Perfluorotridecanoic acid (PFTrDA)	119	4.00	"	80.0		148	50-150				
Perfluorotetradecanoic acid (PFTA)	103	4.00	"	80.0		129	50-150				
N-MeFOSAA	123	4.00	"	80.0		154	50-150	High Bias			
N-EtFOSAA	113	4.00	"	80.0		142	50-150				
Perfluoropentanoic acid (PFPeA)	201	8.00	"	160		126	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	129	4.00	"	80.0		161	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.4	3.82	"	76.4		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	99.3	3.86	"	77.2		129	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	367	15.2	"	304		121	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	578	15.4	"	307		188	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	386	16.0	"	320		121	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	166	7.12	"	142		116	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	194	8.00	"	160		122	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	92.1	8.00	"	160		57.6	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	224	8.00	"	160		140	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	93.7	3.76	"	75.2		125	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	426	15.0	"	300		142	50-150				
HFPO-DA (Gen-X)	208	16.0	"	160		130	50-150				
11CL-PF3OUdS	171	15.1	"	151		113	50-150				
9CL-PF3ONS	162	15.0	"	150		108	50-150				
ADONA	184	15.1	"	151		122	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

LCS (BH30270-BS1)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Perfluorododecanesulfonic acid (PFDoS)	69.7	3.88	ng/L	77.6		89.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	106	3.84	"	76.8		139	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	2210	10.0	"	320		691	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2360	50.0	"	1600		148	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	432	50.0	"	1600		27.0	50-150	Low Bias			
N-MeFOSE	1140	40.0	"	800		143	50-150				
N-MeFOSA	94.1	4.00	"	80.0		118	50-150				
N-EtFOSE	1200	40.0	"	800		150	50-150				
N-EtFOSA	100	4.00	"	80.0		126	50-150				
Surrogate: M3PFBS	49.2		"	46.6		106	25-150				
Surrogate: M5PFHxA	45.6		"	50.0		91.1	25-150				
Surrogate: M4PFHpA	38.9		"	50.0		77.8	25-150				
Surrogate: M3PFHxS	44.5		"	47.4		94.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	55.6		"	50.0		111	25-150				
Surrogate: M6PFDA	25.1		"	25.0		101	25-150				
Surrogate: M7PFUdA	26.3		"	25.0		105	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.3		"	25.0		109	25-150				
Surrogate: M2PFTeDA	20.7		"	25.0		82.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.2		"	200		14.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.2		"	47.9		103	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	97.8		"	100		97.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.5		"	50.0		103	10-150				
Surrogate: d3-N-MeFOSAA	91.7		"	100		91.7	25-150				
Surrogate: d5-N-EtFOSAA	93.7		"	100		93.7	25-150				
Surrogate: M2-6:2 FTS	84.8		"	95.1		89.1	25-200				
Surrogate: M2-8:2 FTS	72.1		"	96.0		75.1	25-200				
Surrogate: M9PFNA	36.8		"	25.0		147	25-150				
Surrogate: M2-4:2 FTS	110		"	93.8		117	25-150				
Surrogate: d-N-MeFOSA	41.7		"	50.0		83.4	25-150				
Surrogate: d-N-EtFOSA	25.9		"	50.0		51.7	25-150				
Surrogate: M3HFPO-DA	199		"	200		99.6	25-150				
Surrogate: d9-N-EtFOSE	219		"	500		43.7	25-150				
Surrogate: d7-N-MeFOSE	390		"	500		78.0	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30270 - EPA 1633 Prep</b>											
<b>LCS (BH30270-BS2)</b>	<b>LCS</b>	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Perfluorobutanesulfonic acid (PFBS)	13.6	3.54	ng/L	14.2		96.4	50-150				
Perfluorohexanoic acid (PFHxA)	13.7	4.00	"	16.0		85.5	50-150				
Perfluoroheptanoic acid (PFHpA)	14.3	4.00	"	16.0		89.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	11.7	3.66	"	14.6		80.2	50-150				
Perfluorooctanoic acid (PFOA)	14.3	4.00	"	16.0		89.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	18.9	3.72	"	14.9		127	50-150				
Perfluorononanoic acid (PFNA)	12.4	4.00	"	16.0		77.8	50-150				
Perfluorodecanoic acid (PFDA)	11.7	4.00	"	16.0		73.4	50-150				
Perfluoroundecanoic acid (PFUnA)	10.1	4.00	"	16.0		62.9	50-150				
Perfluorododecanoic acid (PFDoA)	15.6	4.00	"	16.0		97.3	50-150				
Perfluorotridecanoic acid (PFTriDA)	9.69	4.00	"	16.0		60.6	50-150				
Perfluorotetradecanoic acid (PFTA)	13.1	4.00	"	16.0		82.0	50-150				
N-MeFOSAA	12.5	4.00	"	16.0		78.0	50-150				
N-EtFOSAA	11.3	4.00	"	16.0		70.7	50-150				
Perfluoropentanoic acid (PFPeA)	26.7	8.00	"	32.0		83.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	22.9	4.00	"	16.0		143	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	9.94	3.82	"	15.3		65.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.1	3.86	"	15.4		84.6	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	53.1	15.2	"	60.8		87.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.4	15.4	"	61.4		119	50-150				
Perfluoro-n-butanoic acid (PFBA)	55.4	16.0	"	64.0		86.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	20.1	7.12	"	28.5		70.6	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	24.5	8.00	"	32.0		76.5	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.3	8.00	"	32.0		32.2	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	28.7	8.00	"	32.0		89.6	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	10.4	3.76	"	15.0		69.1	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	71.5	15.0	"	60.0		119	50-150				
HFPO-DA (Gen-X)	27.1	16.0	"	32.0		84.6	50-150				
11CL-PF3OUdS	25.8	15.1	"	30.2		85.3	50-150				
9CL-PF3ONS	23.1	15.0	"	29.9		77.1	50-150				
ADONA	23.6	15.1	"	30.2		78.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	7.56	3.88	"	15.5		48.8	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	12.5	3.84	"	15.4		81.2	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	287	10.0	"	64.0		448	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	314	50.0	"	320		98.3	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	47.9	50.0	"	320		15.0	50-150	Low Bias			
N-MeFOSE	166	40.0	"	160		104	50-150				
N-MeFOSA	11.2	4.00	"	16.0		70.2	50-150				
N-EtFOSE	158	40.0	"	160		99.0	50-150				
N-EtFOSA	11.1	4.00	"	16.0		69.3	50-150				
<i>Surrogate: M3PFBS</i>	63.8		"	46.6		137	25-150				
<i>Surrogate: M5PFHxA</i>	48.1		"	50.0		96.3	25-150				
<i>Surrogate: M4PFHpA</i>	43.3		"	50.0		86.7	25-150				
<i>Surrogate: M3PFHxS</i>	65.2		"	47.4		138	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	54.8		"	50.0		110	25-150				
<i>Surrogate: M6PFDA</i>	33.9		"	25.0		136	25-150				
<i>Surrogate: M7PFUdA</i>	33.9		"	25.0		136	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	26.9		"	25.0		108	25-150				
<i>Surrogate: M2PFTeDA</i>	22.3		"	25.0		89.2	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

LCS (BH30270-BS2)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	26.4		ng/L	200		13.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	52.9		"	47.9		111	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	99.2		"	100		99.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	43.8		"	50.0		87.6	10-150				
Surrogate: d3-N-MeFOSAA	113		"	100		113	25-150				
Surrogate: d5-N-EtFOSAA	86.5		"	100		86.5	25-150				
Surrogate: M2-6:2 FTS	101		"	95.1		107	25-200				
Surrogate: M2-8:2 FTS	107		"	96.0		112	25-200				
Surrogate: M9PFNA	28.6		"	25.0		115	25-150				
Surrogate: M2-4:2 FTS	123		"	93.8		131	25-150				
Surrogate: d-N-MeFOSA	51.4		"	50.0		103	25-150				
Surrogate: d-N-EtFOSA	27.4		"	50.0		54.8	25-150				
Surrogate: M3HFPO-DA	202		"	200		101	25-150				
Surrogate: d9-N-EtFOSE	215		"	500		43.0	25-150				
Surrogate: d7-N-MeFOSE	375		"	500		75.0	25-150				

Duplicate (BH30270-DUP1)	Duplicate	*Source sample: 23H0003-04 (Duplicate)										Prepared: 08/04/2023 Analyzed: 08/08/2023	
Perfluorobutanesulfonic acid (PFBS)	56.6	1.74	ng/L		57.7				1.95	30			
Perfluorohexanoic acid (PFHxA)	222	1.96	"		221			0.584	30				
Perfluoroheptanoic acid (PFHpA)	173	1.96	"		186			7.58	30				
Perfluorononanoic acid (PFNA)	225	1.96	"		278			21.4	30				
Perfluorodecanoic acid (PFDA)	6.93	1.96	"		5.74			18.8	30				
Perfluoroundecanoic acid (PFUnA)	25.2	1.96	"		19.0			27.8	30				
Perfluorododecanoic acid (PFDoA)	ND	1.96	"		ND				30				
Perfluorotridecanoic acid (PFTriDA)	ND	1.96	"		ND				30				
Perfluorotetradecanoic acid (PFTA)	ND	1.96	"		ND				30				
N-MeFOSAA	ND	1.96	"		ND				30				
N-EtFOSAA	ND	1.96	"		ND				30				
Perfluoropentanoic acid (PFPeA)	274	3.93	"		284			3.73	30				
Perfluoro-1-octanesulfonamide (FOSA)	14.5	1.96	"		14.6			1.04	30				
Perfluoro-1-heptanesulfonic acid (PFHpS)	89.8	1.88	"		218			83.2	30	Non-dir.			
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.90	"		ND				30				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	139	7.47	"		135			3.48	30				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	39.4	7.54	"		33.1			17.4	30				
Perfluoro-n-butanoic acid (PFBA)	45.3	7.86	"		46.8			3.29	30				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.50	"		ND				30				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.93	"		ND				30				
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.93	"		ND				30				
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.93	"		ND				30				
Perfluoro-1-pentanesulfonate (PFPeS)	133	1.85	"		109			19.4	30				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.37	"		ND				30				
HFPO-DA (Gen-X)	ND	7.86	"		ND				30				
11CL-PF3OUdS	ND	7.43	"		ND				30				
9CL-PF3ONS	ND	7.35	"		ND				30				
ADONA	ND	7.43	"		ND				30				
Perfluorododecanesulfonic acid (PFDoS)	ND	1.91	"		ND				30				
Perfluoro-1-nonanesulfonic acid (PFNS)	13.1	1.89	"		29.1			75.9	30	Non-dir.			
3-Perfluoropropyl propanoic acid (FPPrPA)	ND	4.91	"		ND				30				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30270 - EPA 1633 Prep**

Duplicate (BH30270-DUP1)	Duplicate	*Source sample: 23H0003-04 (Duplicate)					Prepared: 08/04/2023 Analyzed: 08/08/2023				
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.6	ng/L	22.9	ND	124	25-150	30			
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.6	"	24.6	ND	128	25-150	30			
N-MeFOSE	ND	19.6	"	12.3	ND	109	25-150	30			
N-MeFOSA	ND	1.96	"	12.3	ND	109	25-150	30			
N-EtFOSE	ND	19.6	"	12.3	ND	109	25-150	30			
N-EtFOSA	ND	1.96	"	12.3	ND	109	25-150	30			
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Surrogate: M3PFBS	28.3		"	22.9		124	25-150				
Surrogate: M5PFHxA	31.5		"	24.6		128	25-150				
Surrogate: M4PFHpA	21.5		"	24.6		87.5	25-150				
Surrogate: M3PFHxS	21.7		"	23.3		93.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	31.2		"	24.6		127	25-150				
Surrogate: M6PFDA	15.8		"	12.3		129	25-150				
Surrogate: M7PFUdA	13.4		"	12.3		109	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.3		"	12.3		109	25-150				
Surrogate: M2PFTeDA	10.1		"	12.3		82.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.778		"	98.2		0.792	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	45.5		"	23.5		194	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.22		"	49.1		16.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.0		"	24.6		265	10-150				
Surrogate: d3-N-MeFOSAA	151		"	49.1		307	25-150				
Surrogate: d5-N-EtFOSAA	129		"	49.1		262	25-150				
Surrogate: M2-6:2 FTS	166		"	46.7		356	25-200				
Surrogate: M2-8:2 FTS	79.3		"	47.2		168	25-200				
Surrogate: M9PFNA	14.1		"	12.3		115	25-150				
Surrogate: M2-4:2 FTS	256		"	46.1		555	25-150				
Surrogate: d-N-MeFOSA	68.8		"	24.6		280	25-150				
Surrogate: d-N-EtFOSA	55.4		"	24.6		226	25-150				
Surrogate: M3HFPO-DA	101		"	98.2		103	25-150				
Surrogate: d9-N-EtFOSE	517		"	246		211	25-150				
Surrogate: d7-N-MeFOSE	562		"	246		229	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH30270 - EPA 1633 Prep

Duplicate (BH30270-DUP2)	Duplicate	*Source sample: 23H0003-04RE1 (Duplicate)				Prepared: 08/04/2023 Analyzed: 08/09/2023	
Perfluorohexanesulfonic acid (PFHxS)	913	18.0	ng/L		1050		13.7 30
Perfluorooctanoic acid (PFOA)	826	19.6	"		737		11.5 30
Perfluorooctanesulfonic acid (PFOS)	2510	18.3	"		4300		52.5 30 Non-dir.
Surrogate: M3PFBS	20.4		"	22.9		88.9	25-150
Surrogate: M5PFHxA	27.8		"	24.6		113	25-150
Surrogate: M4PFHpA	26.3		"	24.6		107	25-150
Surrogate: M3PFHxS	29.3		"	23.3		126	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.1		"	24.6		131	25-150
Surrogate: M6PFDA	15.9		"	12.3		130	25-150
Surrogate: M7PFUdA	20.1		"	12.3		163	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.9		"	12.3		129	25-150
Surrogate: M2PFTeDA	13.1		"	12.3		107	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	6.70		"	98.2		6.82	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.0		"	23.5		145	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.40		"	49.1		17.1	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.4		"	24.6		112	10-150
Surrogate: d3-N-MeFOSAA	36.1		"	49.1		73.5	25-150
Surrogate: d5-N-EtFOSAA	56.3		"	49.1		115	25-150
Surrogate: M2-6:2 FTS	43.9		"	46.7		93.9	25-200
Surrogate: M2-8:2 FTS	52.0		"	47.2		110	25-200
Surrogate: M9PFNA	1.66		"	12.3		13.5	25-150
Surrogate: M2-4:2 FTS	70.2		"	46.1		152	25-150
Surrogate: d-N-MeFOSA	14.1		"	24.6		57.5	25-150
Surrogate: d-N-EtFOSA	46.4		"	24.6		189	25-150
Surrogate: M3HFPO-DA	120		"	98.2		122	25-150
Surrogate: d9-N-EtFOSE	253		"	246		103	25-150
Surrogate: d7-N-MeFOSE	275		"	246		112	25-150



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31810 - EPA 3510C**

Blank (BG31810-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.157		"	0.200		78.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.109		"	0.200		54.4	30-150				

LCS (BG31810-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0598	0.00400	ug/L	0.100		59.8	40-140				20
4,4'-DDE	0.0532	0.00400	"	0.100		53.2	40-140				20
4,4'-DDT	0.0495	0.00400	"	0.100		49.5	40-140				20
Aldrin	0.0466	0.00400	"	0.100		46.6	40-140				20
alpha-BHC	0.0447	0.00400	"	0.100		44.7	40-140				20
alpha-Chlordane	0.0495	0.00400	"	0.100		49.5	40-140				20
beta-BHC	0.0501	0.00400	"	0.100		50.1	40-140				20
delta-BHC	0.0487	0.00400	"	0.100		48.7	40-140				20
Dieldrin	0.0549	0.00200	"	0.100		54.9	40-140				20
Endosulfan I	0.0534	0.00400	"	0.100		53.4	40-140				20
Endosulfan II	0.0591	0.00400	"	0.100		59.1	40-140				20
Endosulfan sulfate	0.0557	0.00400	"	0.100		55.7	40-140				20
Endrin	0.0564	0.00400	"	0.100		56.4	40-140				20
Endrin aldehyde	0.0675	0.0100	"	0.100		67.5	40-140				20
Endrin ketone	0.0724	0.0100	"	0.100		72.4	40-140				20
gamma-BHC (Lindane)	0.0486	0.00400	"	0.100		48.6	40-140				20
gamma-Chlordane	0.0505	0.0100	"	0.100		50.5	40-140				20
Heptachlor	0.0541	0.00400	"	0.100		54.1	40-140				20
Heptachlor epoxide	0.0542	0.00400	"	0.100		54.2	40-140				20
Methoxychlor	0.0645	0.00400	"	0.100		64.5	40-140				20
Surrogate: Decachlorobiphenyl	0.142		"	0.200		70.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0872		"	0.200		43.6	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31810 - EPA 3510C**

LCS Dup (BG31810-BS1)	LCS Dup	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0597	0.00400	ug/L	0.100		59.7	40-140		0.161	20	
4,4'-DDE	0.0544	0.00400	"	0.100		54.4	40-140		2.28	20	
4,4'-DDT	0.0502	0.00400	"	0.100		50.2	40-140		1.46	20	
Aldrin	0.0497	0.00400	"	0.100		49.7	40-140		6.45	20	
alpha-BHC	0.0479	0.00400	"	0.100		47.9	40-140		6.88	20	
alpha-Chlordane	0.0514	0.00400	"	0.100		51.4	40-140		3.75	20	
beta-BHC	0.0511	0.00400	"	0.100		51.1	40-140		2.04	20	
delta-BHC	0.0501	0.00400	"	0.100		50.1	40-140		2.82	20	
Dieldrin	0.0560	0.00200	"	0.100		56.0	40-140		2.05	20	
Endosulfan I	0.0546	0.00400	"	0.100		54.6	40-140		2.22	20	
Endosulfan II	0.0588	0.00400	"	0.100		58.8	40-140		0.657	20	
Endosulfan sulfate	0.0554	0.00400	"	0.100		55.4	40-140		0.521	20	
Endrin	0.0567	0.00400	"	0.100		56.7	40-140		0.435	20	
Endrin aldehyde	0.0676	0.0100	"	0.100		67.6	40-140		0.206	20	
Endrin ketone	0.0718	0.0100	"	0.100		71.8	40-140		0.855	20	
gamma-BHC (Lindane)	0.0514	0.00400	"	0.100		51.4	40-140		5.65	20	
gamma-Chlordane	0.0519	0.0100	"	0.100		51.9	40-140		2.77	20	
Heptachlor	0.0576	0.00400	"	0.100		57.6	40-140		6.31	20	
Heptachlor epoxide	0.0559	0.00400	"	0.100		55.9	40-140		3.09	20	
Methoxychlor	0.0638	0.00400	"	0.100		63.8	40-140		1.13	20	
Surrogate: Decachlorobiphenyl	0.135		"	0.200		67.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0906		"	0.200		45.3	30-150				

**Batch BH30310 - EPA 3510C**

Blank (BH30310-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/07/2023									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.219		"	0.200		109	30-150				
Surrogate: Tetrachloro-m-xylene	0.117		"	0.200		58.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30310 - EPA 3510C</b>												
<b>LCS (BH30310-BS1)</b>	<b>LCS</b>								Prepared: 08/04/2023 Analyzed: 08/07/2023			
4,4'-DDD	0.0707	0.00400	ug/L	0.100		70.7	40-140			20		
4,4'-DDE	0.0696	0.00400	"	0.100		69.6	40-140			20		
4,4'-DDT	0.0723	0.00400	"	0.100		72.3	40-140			20		
Aldrin	0.0545	0.00400	"	0.100		54.5	40-140			20		
alpha-BHC	0.0535	0.00400	"	0.100		53.5	40-140			20		
alpha-Chlordane	0.0627	0.00400	"	0.100		62.7	40-140			20		
beta-BHC	0.0605	0.00400	"	0.100		60.5	40-140			20		
delta-BHC	0.0565	0.00400	"	0.100		56.5	40-140			20		
Dieldrin	0.0651	0.00200	"	0.100		65.1	40-140			20		
Endosulfan I	0.0625	0.00400	"	0.100		62.5	40-140			20		
Endosulfan II	0.0697	0.00400	"	0.100		69.7	40-140			20		
Endosulfan sulfate	0.0696	0.00400	"	0.100		69.6	40-140			20		
Endrin	0.0665	0.00400	"	0.100		66.5	40-140			20		
Endrin aldehyde	0.0776	0.0100	"	0.100		77.6	40-140			20		
Endrin ketone	0.0714	0.0100	"	0.100		71.4	40-140			20		
gamma-BHC (Lindane)	0.0557	0.00400	"	0.100		55.7	40-140			20		
gamma-Chlordane	0.0626	0.0100	"	0.100		62.6	40-140			20		
Heptachlor	0.0625	0.00400	"	0.100		62.5	40-140			20		
Heptachlor epoxide	0.0632	0.00400	"	0.100		63.2	40-140			20		
Methoxychlor	0.0814	0.00400	"	0.100		81.4	40-140			20		
Surrogate: Decachlorobiphenyl	0.158		"	0.200		79.0	30-150					
Surrogate: Tetrachloro-m-xylene	0.103		"	0.200		51.7	30-150					
<b>LCS Dup (BH30310-BS1)</b>	<b>LCS Dup</b>								Prepared: 08/04/2023 Analyzed: 08/07/2023			
4,4'-DDD	0.0734	0.00400	ug/L	0.100		73.4	40-140		3.70	20		
4,4'-DDE	0.0737	0.00400	"	0.100		73.7	40-140		5.77	20		
4,4'-DDT	0.0770	0.00400	"	0.100		77.0	40-140		6.28	20		
Aldrin	0.0546	0.00400	"	0.100		54.6	40-140		0.238	20		
alpha-BHC	0.0534	0.00400	"	0.100		53.4	40-140		0.170	20		
alpha-Chlordane	0.0660	0.00400	"	0.100		66.0	40-140		5.04	20		
beta-BHC	0.0598	0.00400	"	0.100		59.8	40-140		1.16	20		
delta-BHC	0.0569	0.00400	"	0.100		56.9	40-140		0.732	20		
Dieldrin	0.0668	0.00200	"	0.100		66.8	40-140		2.56	20		
Endosulfan I	0.0641	0.00400	"	0.100		64.1	40-140		2.47	20		
Endosulfan II	0.0711	0.00400	"	0.100		71.1	40-140		2.03	20		
Endosulfan sulfate	0.0699	0.00400	"	0.100		69.9	40-140		0.460	20		
Endrin	0.0682	0.00400	"	0.100		68.2	40-140		2.60	20		
Endrin aldehyde	0.0797	0.0100	"	0.100		79.7	40-140		2.67	20		
Endrin ketone	0.0743	0.0100	"	0.100		74.3	40-140		4.03	20		
gamma-BHC (Lindane)	0.0560	0.00400	"	0.100		56.0	40-140		0.514	20		
gamma-Chlordane	0.0636	0.0100	"	0.100		63.6	40-140		1.51	20		
Heptachlor	0.0629	0.00400	"	0.100		62.9	40-140		0.724	20		
Heptachlor epoxide	0.0622	0.00400	"	0.100		62.2	40-140		1.63	20		
Methoxychlor	0.0836	0.00400	"	0.100		83.6	40-140		2.67	20		
Surrogate: Decachlorobiphenyl	0.155		"	0.200		77.4	30-150					
Surrogate: Tetrachloro-m-xylene	0.107		"	0.200		53.7	30-150					



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG31810 - EPA 3510C**

<b>Blank (BG31810-BLK2)</b>		<b>Blank</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023								
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.132		"	0.200		66.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.146		"	0.200		73.0	30-120					

<b>LCS (BG31810-BS2)</b>		<b>LCS</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023								
Aroclor 1016	0.654	0.0500	ug/L	1.00		65.4	40-120					
Aroclor 1260	0.577	0.0500	"	1.00		57.7	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.107		"	0.200		53.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.165		"	0.200		82.5	30-120					

<b>LCS Dup (BG31810-BSD2)</b>		<b>LCS Dup</b>		Prepared: 08/01/2023 Analyzed: 08/02/2023								
Aroclor 1016	0.806	0.0500	ug/L	1.00		80.6	40-120	20.8	30			
Aroclor 1260	0.749	0.0500	"	1.00		74.9	40-120	26.0	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.125		"	0.200		62.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.145		"	0.200		72.5	30-120					

**Batch BH30310 - EPA 3510C**

<b>Blank (BH30310-BLK2)</b>		<b>Blank</b>		Prepared: 08/04/2023 Analyzed: 08/07/2023								
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.106		"	0.200		53.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.322		"	0.200		161	30-120					



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30310 - EPA 3510C</b>											
<b>LCS (BH30310-BS2)</b>	<b>LCS</b>						Prepared: 08/04/2023 Analyzed: 08/07/2023				
Aroclor 1016	0.764	0.0500	ug/L	1.00		76.4	40-120				
Aroclor 1260	0.776	0.0500	"	1.00		77.6	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.119</i>		"	<i>0.200</i>		<i>59.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.115</i>		"	<i>0.200</i>		<i>57.5</i>	<i>30-120</i>				
<b>LCS Dup (BH30310-BSD2)</b>	<b>LCS Dup</b>						Prepared: 08/04/2023 Analyzed: 08/07/2023				
Aroclor 1016	0.702	0.0500	ug/L	1.00		70.2	40-120		8.43	30	
Aroclor 1260	0.741	0.0500	"	1.00		74.1	40-120		4.61	30	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.115</i>		"	<i>0.200</i>		<i>57.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.138</i>		"	<i>0.200</i>		<i>69.0</i>	<i>30-120</i>				



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BG31811 - EPA 8151A</b>												
<b>Blank (BG31811-BLK1)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.62		"	12.5		45.0	30-150					
<b>Blank (BG31811-BLK2)</b>	<b>Blank</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	ND	0.500	ug/L									
2,4,5-TP (Silvex)	ND	0.500	"									
2,4-D	ND	0.500	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	4.90		"	12.5		39.2	30-150					
<b>LCS (BG31811-BS1)</b>	<b>LCS</b>							Prepared: 08/01/2023 Analyzed: 08/03/2023				
2,4,5-T	1.55	0.500	ug/L	4.00		38.8	10-140					
2,4,5-TP (Silvex)	1.58	0.500	"	4.00		39.4	10-139					
2,4-D	1.80	0.500	"	4.00		45.0	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	5.78		"	12.5		46.2	30-150					
<b>Matrix Spike (BG31811-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23G1416-01 (Matrix Spike)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	29.5	5.00	ug/L	40.0	ND	73.8	30-150					
2,4,5-TP (Silvex)	30.2	5.00	"	40.0	ND	75.6	30-150					
2,4-D	34.8	5.00	"	40.0	ND	86.9	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	104		"	125		83.2	30-150					
<b>Matrix Spike Dup (BG31811-1)</b>	<b>Matrix Spike Dup</b>	<b>*Source sample: 23G1416-01 (Matrix Spike Dup)</b>					Prepared: 08/01/2023 Analyzed: 08/03/2023					
2,4,5-T	14.8	5.00	ug/L	40.0	ND	36.9	30-150	66.7	30	Non-dir.		
2,4,5-TP (Silvex)	14.8	5.00	"	40.0	ND	36.9	30-150	68.9	30	Non-dir.		
2,4-D	16.8	5.00	"	40.0	ND	41.9	30-150	69.9	30	Non-dir.		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	54.5		"	125		43.6	30-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30255 - EPA 3015A**

<b>Blank (BH30255-BLK1)</b>		<b>Blank</b>										Prepared & Analyzed: 08/04/2023	
Aluminum	ND	0.0556	mg/L										
Barium	ND	0.0278	"										
Calcium	ND	0.0556	"										
Chromium	ND	0.00556	"										
Cobalt	ND	0.00444	"										
Copper	ND	0.0222	"										
Iron	ND	0.278	"										
Lead	ND	0.00556	"										
Magnesium	ND	0.0556	"										
Manganese	ND	0.00556	"										
Nickel	ND	0.0111	"										
Potassium	0.0718	0.0556	"										
Silver	ND	0.00556	"										
Sodium	ND	0.556	"										
Vanadium	ND	0.0111	"										
Zinc	ND	0.0278	"										

<b>LCS (BH30255-BS1)</b>		<b>LCS</b>										Prepared & Analyzed: 08/04/2023	
Aluminum	1.79		ug/mL	2.00	89.7	80-120							
Barium	1.89		"	2.00	94.4	80-120							
Calcium	0.920		"	1.00	92.0	80-120							
Chromium	0.184		"	0.200	92.0	80-120							
Cobalt	0.474		"	0.500	94.9	80-120							
Copper	0.241		"	0.250	96.5	80-120							
Iron	0.937		"	1.00	93.7	80-120							
Lead	0.468		"	0.500	93.6	80-120							
Magnesium	0.918		"	1.00	91.8	80-120							
Manganese	0.463		"	0.500	92.6	80-120							
Nickel	0.473		"	0.500	94.5	80-120							
Potassium	0.943		"	1.00	94.3	80-120							
Silver	0.0440		"	0.0500	88.0	80-120							
Sodium	0.945		"	1.00	94.5	80-120							
Vanadium	0.462		"	0.500	92.4	80-120							
Zinc	0.456		"	0.500	91.2	80-120							



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30255 - EPA 3015A**

Duplicate (BH30255-DUP1)	Duplicate	*Source sample: 23H0286-03 (Duplicate)					Prepared & Analyzed: 08/04/2023					
Aluminum	0.305	0.0556	mg/L	0.318	0.318				4.09	20		
Barium	ND	0.0278	"	ND	ND					20		
Calcium	6.19	0.0556	"	6.34	6.34				2.39	20		
Chromium	ND	0.00556	"	ND	ND					20		
Cobalt	ND	0.00444	"	ND	ND					20		
Copper	0.0287	0.0222	"	0.0246	0.0246				15.6	20		
Iron	ND	0.278	"	0.290	0.290					20		
Lead	ND	0.00556	"	ND	ND					20		
Magnesium	1.25	0.0556	"	1.26	1.26				1.09	20		
Manganese	0.0273	0.00556	"	0.0256	0.0256				6.22	20		
Nickel	ND	0.0111	"	ND	ND					20		
Potassium	0.495	0.0556	"	0.432	0.432				13.7	20		
Silver	ND	0.00556	"	ND	ND					20		
Sodium	10.2	0.556	"	10.2	10.2				0.571	20		
Vanadium	ND	0.0111	"	ND	ND					20		
Zinc	ND	0.0278	"	0.0311	0.0311					20		

Matrix Spike (BH30255-MS1)	Matrix Spike	*Source sample: 23H0286-03 (Matrix Spike)					Prepared & Analyzed: 08/04/2023					
Aluminum	2.49	0.0556	mg/L	2.22	0.318	97.9	75-125					
Barium	2.33	0.0278	"	2.22	ND	105	75-125					
Calcium	7.32	0.0556	"	1.11	6.34	87.8	75-125					
Chromium	0.227	0.00556	"	0.222	ND	102	75-125					
Cobalt	0.581	0.00444	"	0.556	ND	105	75-125					
Copper	0.319	0.0222	"	0.278	0.0246	106	75-125					
Iron	1.42	0.278	"	1.11	0.290	102	75-125					
Lead	0.563	0.00556	"	0.556	ND	101	75-125					
Magnesium	2.40	0.0556	"	1.11	1.26	102	75-125					
Manganese	0.597	0.00556	"	0.556	0.0256	103	75-125					
Nickel	0.581	0.0111	"	0.556	ND	105	75-125					
Potassium	1.54	0.0556	"	1.11	0.432	99.7	75-125					
Silver	0.0547	0.00556	"	0.0556	ND	98.5	75-125					
Sodium	11.5	0.556	"	1.11	10.2	117	75-125					
Vanadium	0.570	0.0111	"	0.556	ND	103	75-125					
Zinc	0.567	0.0278	"	0.556	0.0311	96.5	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30255 - EPA 3015A**

Post Spike (BH30255-PS1)	Post Spike	*Source sample: 23H0286-03 (Post Spike)					Prepared & Analyzed: 08/04/2023					
Aluminum		2.11	ug/mL	2.00	0.286	91.4	75-125					
Barium		1.94	"	2.00	0.0171	96.0	75-125					
Calcium		6.67	"	1.00	5.71	96.3	75-125					
Chromium		0.187	"	0.200	0.00345	91.7	75-125					
Cobalt		0.483	"	0.500	0.000156	96.7	75-125					
Copper		0.268	"	0.250	0.0221	98.3	75-125					
Iron		1.23	"	1.00	0.261	96.9	75-125					
Lead		0.482	"	0.500	-0.000509	96.3	75-125					
Magnesium		2.05	"	1.00	1.14	91.3	75-125					
Manganese		0.501	"	0.500	0.0231	95.6	75-125					
Nickel		0.493	"	0.500	0.00282	98.1	75-125					
Potassium		1.34	"	1.00	0.389	94.8	75-125					
Silver		0.0467	"	0.0500	-0.00193	93.3	75-125					
Sodium		9.96	"	1.00	9.15	81.2	75-125					
Vanadium		0.473	"	0.500	0.000311	94.6	75-125					
Zinc		0.505	"	0.500	0.0280	95.4	75-125					

**Batch BH30257 - EPA 3015A**

Blank (BH30257-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/07/2023										
Aluminum - Dissolved	0.0664	0.0556	mg/L									
Barium - Dissolved	ND	0.0278	"									
Calcium - Dissolved	ND	0.0556	"									
Chromium - Dissolved	ND	0.00556	"									
Cobalt - Dissolved	ND	0.00444	"									
Copper - Dissolved	ND	0.0222	"									
Iron - Dissolved	ND	0.278	"									
Lead - Dissolved	ND	0.00556	"									
Magnesium - Dissolved	ND	0.0556	"									
Manganese - Dissolved	ND	0.00556	"									
Nickel - Dissolved	ND	0.0111	"									
Potassium - Dissolved	0.143	0.0556	"									
Silver - Dissolved	ND	0.00556	"									
Sodium - Dissolved	ND	0.556	"									
Vanadium - Dissolved	ND	0.0111	"									
Zinc - Dissolved	ND	0.0278	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30257 - EPA 3015A**

LCS (BH30257-BS1)	LCS	Prepared: 08/04/2023 Analyzed: 08/07/2023									
Aluminum - Dissolved	1.87		ug/mL	2.00		93.4	80-120				
Barium - Dissolved	1.99		"	2.00		99.5	80-120				
Calcium - Dissolved	1.09		"	1.00		109	80-120				
Chromium - Dissolved	0.193		"	0.200		96.6	80-120				
Cobalt - Dissolved	0.493		"	0.500		98.6	80-120				
Copper - Dissolved	0.245		"	0.250		98.1	80-120				
Iron - Dissolved	0.986		"	1.00		98.6	80-120				
Lead - Dissolved	0.472		"	0.500		94.4	80-120				
Magnesium - Dissolved	0.979		"	1.00		97.9	80-120				
Manganese - Dissolved	0.492		"	0.500		98.4	80-120				
Nickel - Dissolved	0.486		"	0.500		97.2	80-120				
Potassium - Dissolved	1.13		"	1.00		113	80-120				
Silver - Dissolved	0.0493		"	0.0500		98.7	80-120				
Sodium - Dissolved	1.06		"	1.00		106	80-120				
Vanadium - Dissolved	0.481		"	0.500		96.3	80-120				
Zinc - Dissolved	0.473		"	0.500		94.6	80-120				

Duplicate (BH30257-DUP1)	Duplicate	*Source sample: 23H0137-01 (Duplicate) Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum - Dissolved	ND	0.0556	mg/L		0.0755						20
Barium - Dissolved	0.347	0.0278	"		0.352			1.34			20
Calcium - Dissolved	151	0.0556	"		149			1.77			20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00444	"		ND						20
Copper - Dissolved	ND	0.0222	"		ND						20
Iron - Dissolved	ND	0.278	"		ND						20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	33.1	0.0556	"		32.4			2.19			20
Manganese - Dissolved	1.48	0.00556	"		1.49			0.670			20
Nickel - Dissolved	ND	0.0111	"		ND						20
Potassium - Dissolved	6.23	0.0556	"		6.25			0.381			20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	466	0.556	"		455			2.42			20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	ND	0.0278	"		0.0336						20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH30257 - EPA 3015A**

<b>Matrix Spike (BH30257-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 23H0137-01 (Matrix Spike)</b>						<b>Prepared: 08/04/2023 Analyzed: 08/09/2023</b>			
Aluminum - Dissolved	2.19	0.0556	mg/L	2.22	0.0755	95.0	75-125				
Barium - Dissolved	2.67	0.0278	"	2.22	0.352	104	75-125				
Calcium - Dissolved	148	0.0556	"	1.11	149	NR	75-125	Low Bias			
Chromium - Dissolved	0.223	0.00556	"	0.222	ND	100	75-125				
Cobalt - Dissolved	0.574	0.00444	"	0.556	ND	103	75-125				
Copper - Dissolved	0.316	0.0222	"	0.278	ND	114	75-125				
Iron - Dissolved	1.14	0.278	"	1.11	ND	103	75-125				
Lead - Dissolved	0.516	0.00556	"	0.556	ND	92.9	75-125				
Magnesium - Dissolved	32.9	0.0556	"	1.11	32.4	43.7	75-125	Low Bias			
Manganese - Dissolved	2.07	0.00556	"	0.556	1.49	104	75-125				
Nickel - Dissolved	0.597	0.0111	"	0.556	ND	107	75-125				
Potassium - Dissolved	7.23	0.0556	"	1.11	6.25	88.4	75-125				
Silver - Dissolved	0.0563	0.00556	"	0.0556	ND	101	75-125				
Sodium - Dissolved	449	0.556	"	1.11	455	NR	75-125	Low Bias			
Vanadium - Dissolved	0.581	0.0111	"	0.556	ND	105	75-125				
Zinc - Dissolved	0.576	0.0278	"	0.556	0.0336	97.7	75-125				

<b>Post Spike (BH30257-PS1)</b>	<b>Post Spike</b>	<b>*Source sample: 23H0137-01 (Post Spike)</b>						<b>Prepared: 08/04/2023 Analyzed: 08/09/2023</b>			
Aluminum - Dissolved	2.05		ug/mL	2.00	0.0679	98.9	75-125				
Barium - Dissolved	2.38		"	2.00	0.317	103	75-125				
Calcium - Dissolved	134		"	1.00	134	29.1	75-125	Low Bias			
Chromium - Dissolved	0.201		"	0.200	0.00390	98.5	75-125				
Cobalt - Dissolved	0.507		"	0.500	0.00142	101	75-125				
Copper - Dissolved	0.286		"	0.250	0.00706	112	75-125				
Iron - Dissolved	1.03		"	1.00	0.0417	98.9	75-125				
Lead - Dissolved	0.465		"	0.500	-0.0148	93.0	75-125				
Magnesium - Dissolved	29.9		"	1.00	29.2	69.4	75-125	Low Bias			
Manganese - Dissolved	1.85		"	0.500	1.34	101	75-125				
Nickel - Dissolved	0.533		"	0.500	0.00811	105	75-125				
Potassium - Dissolved	6.49		"	1.00	5.63	86.6	75-125				
Silver - Dissolved	0.0531		"	0.0500	0.00120	104	75-125				
Sodium - Dissolved	409		"	1.00	410	NR	75-125	Low Bias			
Vanadium - Dissolved	0.518		"	0.500	0.000409	103	75-125				
Zinc - Dissolved	0.528		"	0.500	0.0303	99.5	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30256 - EPA 3015A</b>												
<b>Blank (BH30256-BLK1)</b>	<b>Blank</b>							Prepared & Analyzed: 08/04/2023				
Antimony	ND	1.00	ug/L									
Arsenic	ND	1.00	"									
Beryllium	ND	0.300	"									
Cadmium	ND	0.500	"									
Selenium	ND	1.00	"									
Thallium	ND	1.00	"									
<b>LCS (BH30256-BS1)</b>	<b>LCS</b>							Prepared & Analyzed: 08/04/2023				
Antimony	52.8		ug/L	50.0		106	80-120					
Arsenic	52.0		"	50.0		104	80-120					
Beryllium	54.7		"	50.0		109	80-120					
Cadmium	49.8		"	50.0		99.6	80-120					
Selenium	62.5		"	50.0		125	80-120	High Bias				
Thallium	50.7		"	50.0		101	80-120					
<b>Duplicate (BH30256-DUP1)</b>	<b>Duplicate</b>							*Source sample: 23H0190-09 (Duplicate) Prepared & Analyzed: 08/04/2023				
Antimony	ND	1.00	ug/L		ND						20	
Arsenic	ND	1.00	"		ND						20	
Beryllium	ND	0.300	"		ND						20	
Cadmium	ND	0.500	"		ND						20	
Selenium	ND	1.00	"		ND						20	
Thallium	ND	1.00	"		ND						20	
<b>Matrix Spike (BH30256-MS1)</b>	<b>Matrix Spike</b>							*Source sample: 23H0190-09 (Matrix Spike) Prepared & Analyzed: 08/04/2023				
Antimony	53.5		ug/L	50.0	0.058	107	75-125					
Arsenic	52.6		"	50.0	0.142	105	75-125					
Beryllium	55.5		"	50.0	0.009	111	75-125					
Cadmium	49.8		"	50.0	0.053	99.4	75-125					
Selenium	56.4		"	50.0	0.878	111	75-125					
Thallium	51.1		"	50.0	-0.231	102	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30258 - EPA 3015A</b>												
<b>Blank (BH30258-BLK1)</b>	<b>Blank</b>							Prepared & Analyzed: 08/04/2023				
Antimony - Dissolved	ND	1.11	ug/L									
Arsenic - Dissolved	ND	1.11	"									
Beryllium - Dissolved	ND	0.333	"									
Cadmium - Dissolved	ND	0.556	"									
Selenium - Dissolved	ND	1.11	"									
Thallium - Dissolved	ND	1.11	"									
<b>LCS (BH30258-BS1)</b>	<b>LCS</b>							Prepared & Analyzed: 08/04/2023				
Antimony - Dissolved	53.7		ug/L	50.0		107	80-120					
Arsenic - Dissolved	52.6		"	50.0		105	80-120					
Beryllium - Dissolved	55.0		"	50.0		110	80-120					
Cadmium - Dissolved	51.3		"	50.0		103	80-120					
Selenium - Dissolved	53.5		"	50.0		107	80-120					
Thallium - Dissolved	51.7		"	50.0		103	80-120					
<b>Duplicate (BH30258-DUP1)</b>	<b>Duplicate</b>		*Source sample: 23H0137-01 (Duplicate)						Prepared & Analyzed: 08/04/2023			
Antimony - Dissolved	ND	1.11	ug/L		ND					20		
Arsenic - Dissolved	ND	1.11	"		ND					20		
Beryllium - Dissolved	ND	0.333	"		ND					20		
Cadmium - Dissolved	1.35	0.556	"		1.36				0.752	20		
Selenium - Dissolved	1.89	1.11	"		2.42				24.7	20	Non-dir.	
Thallium - Dissolved	ND	1.11	"		ND					20		
<b>Matrix Spike (BH30258-MS1)</b>	<b>Matrix Spike</b>		*Source sample: 23H0137-01 (Matrix Spike)						Prepared & Analyzed: 08/04/2023			
Antimony - Dissolved	63.2		ug/L	50.0	0.157	126	75-125	High Bias				
Arsenic - Dissolved	54.8		"	50.0	0.688	108	75-125					
Beryllium - Dissolved	48.3		"	50.0	0.011	96.6	75-125					
Cadmium - Dissolved	55.8		"	50.0	1.22	109	75-125					
Selenium - Dissolved	56.6		"	50.0	2.18	109	75-125					
Thallium - Dissolved	48.2		"	50.0	-0.215	96.4	75-125					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH30386 - EPA SW846-7470A</b>												
<b>Blank (BH30386-BLK1)</b>	Blank										Prepared: 08/07/2023 Analyzed: 08/09/2023	
Mercury	ND	0.0002	mg/L									
<b>Blank (BH30386-BLK2)</b>	Blank										Prepared: 08/07/2023 Analyzed: 08/09/2023	
Mercury	ND	0.0002	mg/L									
<b>LCS (BH30386-BS1)</b>	LCS										Prepared: 08/07/2023 Analyzed: 08/09/2023	
Mercury	0.0020273	0.0002	mg/L	0.00200		101	80-120					
<b>LCS (BH30386-BS2)</b>	LCS										Prepared: 08/07/2023 Analyzed: 08/09/2023	
Mercury	0.0019285	0.0002	mg/L	0.00200		96.4	80-120					
<b>Batch BH30389 - EPA SW846-7470A</b>												
<b>Blank (BH30389-BLK1)</b>	Blank										Prepared & Analyzed: 08/07/2023	
Mercury - Dissolved	ND	0.0002	mg/L									
<b>LCS (BH30389-BS1)</b>	LCS										Prepared & Analyzed: 08/07/2023	
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120					
<b>Duplicate (BH30389-DUP1)</b>	Duplicate	*Source sample: 23G1703-01 (RIMW03_072823)										Prepared & Analyzed: 08/07/2023
Mercury - Dissolved	ND	0.0002	mg/L		ND						20	
<b>Matrix Spike (BH30389-MS1)</b>	Matrix Spike	*Source sample: 23G1703-01 (RIMW03_072823)										Prepared & Analyzed: 08/07/2023
Mercury - Dissolved	0.0022	0.0002	mg/L	0.00200	ND	112	75-125					
<b>Matrix Spike Dup (BH30389-MS1)</b>	Matrix Spike Dup	*Source sample: 23G1703-01 (RIMW03_072823)										Prepared & Analyzed: 08/07/2023
Mercury - Dissolved	0.0025	0.0002	mg/L	0.00200	ND	126	75-125	High Bias	12.3		20	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG31704 - Analysis Preparation</b>											
<b>Blank (BG31704-BLK1)</b>	Blank										Prepared & Analyzed: 07/28/2023
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BG31704-BS1)</b>	LCS										Prepared & Analyzed: 07/28/2023
Chromium, Hexavalent	0.500	0.0100	mg/L	0.500		100	85-115				
<b>Duplicate (BG31704-DUP1)</b>	Duplicate *Source sample: 23G1652-01 (Duplicate)										Prepared & Analyzed: 07/28/2023
Chromium, Hexavalent	ND	0.0100	mg/L								20
<b>Matrix Spike (BG31704-MS1)</b>	Matrix Spike *Source sample: 23G1652-01 (Matrix Spike)										Prepared & Analyzed: 07/28/2023
Chromium, Hexavalent	0.232	0.0100	mg/L	0.500		46.4	85-115	Low Bias			
<b>Matrix Spike Dup (BG31704-MS1-DUP)</b>	Matrix Spike Dup *Source sample: 23G1652-01 (Matrix Spike Dup)										Prepared & Analyzed: 07/28/2023
Chromium, Hexavalent	0.225	0.0100	mg/L	0.500		45.0	85-115	Low Bias	3.06		200
<b>Batch BH30209 - Analysis Preparation</b>											
<b>Blank (BH30209-BLK1)</b>	Blank										Prepared & Analyzed: 08/03/2023
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BH30209-BS1)</b>	LCS										Prepared & Analyzed: 08/03/2023
Cyanide, total	0.164	0.0100	mg/L	0.200		82.0	80-120				
<b>Duplicate (BH30209-DUP1)</b>	Duplicate *Source sample: 23G1652-01 (Duplicate)										Prepared & Analyzed: 08/03/2023
Cyanide, total	ND	0.0100	mg/L		ND						15
<b>Matrix Spike (BH30209-MS1)</b>	Matrix Spike *Source sample: 23G1652-01 (Matrix Spike)										Prepared & Analyzed: 08/03/2023
Cyanide, total	0.192	0.0100	mg/L	0.200	ND	96.0	79-105				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH30209 - Analysis Preparation</b>											
<b>Matrix Spike Dup (BH30209-1) Matrix Spike Dup</b> *Source sample: 23G1652-01 (Matrix Spike Dup) Prepared & Analyzed: 08/03/2023											
Cyanide, total	0.0770	0.0100	mg/L	0.200	ND	38.5	79-105	Low Bias	85.5	200	
<b>Batch BH30260 - Analysis Preparation</b>											
<b>Blank (BH30260-BLK1) Blank</b> Prepared & Analyzed: 08/04/2023											
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BH30260-BS1) LCS</b> Prepared & Analyzed: 08/04/2023											
Cyanide, total	0.181	0.0100	mg/L	0.200		90.5	80-120				
<b>Duplicate (BH30260-DUP1) Duplicate</b> *Source sample: 23H0286-04 (Duplicate) Prepared & Analyzed: 08/04/2023											
Cyanide, total	ND	0.0100	mg/L		ND					15	
<b>Matrix Spike (BH30260-MS1) Matrix Spike</b> *Source sample: 23H0286-04 (Matrix Spike) Prepared & Analyzed: 08/04/2023											
Cyanide, total	0.152	0.0100	mg/L	0.200	ND	76.0	79-105	Low Bias			
<b>Matrix Spike Dup (BH30260-1) Matrix Spike Dup</b> *Source sample: 23H0286-04 (Matrix Spike Dup) Prepared & Analyzed: 08/04/2023											
Cyanide, total	0.164	0.0100	mg/L	0.200	ND	82.0	79-105		7.59	200	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1703-01	RIMW03_072823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1703-02	RIMW04_072823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1703-03	GWDUP01_072823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1703-05	GWTB04_072823	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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**Revision Description:** This report has been revised to correct Hg QC data.



# Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No.

2361703

Page 1 of 1

Turn-Around Time
RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
RUSH - Five Day
<b>Standard (6-9 Day)</b> <input checked="" type="checkbox"/>

PFAS Standard is 7-10 Days

**YOUR Project Number**  
170758101

**YOUR Project Name**  
224 3rd Avenue

**YOUR PO#:**

**Report To:**

Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**Invoice To:**

Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Ali Reach *Ali Reach*

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report
DW - drinking water	Connecticut	<input type="checkbox"/> CMDP
WW - wastewater	Pennsylvania	<input type="checkbox"/> Standard Excel EDD
O - Oil	Other:	<input type="checkbox"/> Deliverables
		<input type="checkbox"/> NY ASP B Package

**Report / EDD Type (circle selections)**

CT RCP  EQUIS (Standard)

CT RCP DQA/DUE  NYSDEC EQUIS

NUDEP Reduced  NJDKQP

Deliverables  NUDEP SRP HazSite

Other: \_\_\_\_\_

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
R1MWW03-072823	GW	7/28/23 0800	Part 375 TCL VOCs, SVOCs, Part 375		
R1MWW04-072823	GW	7/28/23 1020	PCBs, Pesticides, Herbicides, TAL		
GW DV P01-072823	GW	7/28/23 --	Part 375 metals (including Hex/Ti/Chromium, Cyanide, and dissolved metals), PFAS, and 14-Dioxane		
GW ECFB04-072823	AW	7/28/23 1050	PFAS		
GW T B04-072823	AW	7/28/23 1100	Part 375 VOCs		

**Comments:** Please cc: Lmcconne11@Langan.com and Datamanagement@Langan.com

Samples Iced/Chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Ali Reach / Langan	07/28/23 1200	Ali Reach / Langan	7/28/23 1200
Ali Reach / Langan	07/28/23 1800	Ali Reach / Langan	7/28/23 1800

1. Samples Relinquished by / Company  
Date/Time

2. Samples Relinquished by / Company  
Date/Time

3. Samples Relinquished by / Company  
Date/Time

4. Samples Relinquished by / Company  
Date/Time

**Special Instruction**

Field Filtered

Lab to Filter

Temperature  
Degrees C  
4.6



# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 04/26/2024

**Client Project ID: 170758101**

York Project (SDG) No.: 24D1250



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 04/26/2024  
Client Project ID: 170758101  
York Project (SDG) No.: 24D1250

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 18, 2024 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24D1250-01	RIMW03_04182024	Ground Water	04/18/2024	04/18/2024
24D1250-02	RIMW06_04182024	Ground Water	04/18/2024	04/18/2024
24D1250-03	TB01_04182024	Water	04/18/2024	04/18/2024

## **General Notes for York Project (SDG) No.: 24D1250**

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

Approved By



Cassie L. Mosher  
Laboratory Manager

**Date:** 04/26/2024





### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 10:19 am	<u>Date Received</u> 04/18/2024
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
67-64-1	<b>Acetone</b>	<b>1.55</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
87-68-3	Hexachlorobutadiene	ND	QL-02, CCVE	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 14:54	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 14:54	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:54	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:54	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	119 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 10:19 am	<u>Date Received</u> 04/18/2024
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**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.46	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
98-86-2	Acetophenone	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
62-53-3	Aniline	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
100-52-7	Benzaldehyde	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
92-87-5	Benzidine	ND		ug/L	5.46	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
65-85-0	Benzoic acid	ND	QL-02, CCVE	ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.09	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
105-60-2	Caprolactam	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
86-74-8	Carbazole	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
132-64-9	Dibenzofuran	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
122-39-4	Diphenylamine	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:00	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.46	10.9	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
78-59-1	Isophorone	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
108-95-2	Phenol	ND		ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.73	5.46	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:00	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	27.8 %				19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	28.2 %				10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	110 %				50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	86.2 %				39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	147 %				39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	113 %	S-08			30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 10:19 am	<u>Date Received</u> 04/18/2024
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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	<b>Acenaphthene</b>	<b>0.197</b>		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
208-96-8	<b>Acenaphthylene</b>	<b>0.142</b>		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
120-12-7	<b>Anthracene</b>	<b>0.0984</b>		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
1912-24-9	Atrazine	ND		ug/L	0.546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
218-01-9	Chrysene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
206-44-0	<b>Fluoranthene</b>	<b>0.0656</b>		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
86-73-7	<b>Fluorene</b>	<b>0.197</b>		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
118-74-1	Hexachlorobenzene	ND		ug/L	0.0219	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
87-68-3	Hexachlorobutadiene	ND		ug/L	0.546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
67-72-1	Hexachloroethane	ND		ug/L	0.546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
91-20-3	<b>Naphthalene</b>	<b>0.896</b>	B	ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
98-95-3	Nitrobenzene	ND		ug/L	0.273	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF
87-86-5	Pentachlorophenol	ND		ug/L	0.273	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:24	SKF



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.350		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF
129-00-0	Pyrene	0.0656		ug/L	0.0546	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:24	SKF

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.544		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/23/2024 08:07	04/25/2024 19:08	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.3 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.87		ng/L	0.470	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	15.2		ng/L	0.350	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.08	PF-CC	ng/L	0.710	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
			V-L								
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.25	J	ng/L	0.680	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	18.5		ng/L	0.420	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.942	J	ng/L	0.820	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.520	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.750	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.740	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.690	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.790	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>21.1</b>		ng/L	0.230	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.910	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>6.33</b>	J	ng/L	1.06	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>12.9</b>		ng/L	0.330	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.500	3.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:19	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.14	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:19	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:19	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.370	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:19	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.760	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.23	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.700	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
919005-14-4	ADONA	ND		ng/L	0.530	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.930	1.94	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.860	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:19	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	5.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

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Matrix

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24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.33	25.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.47	25.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:19	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	113 %	25-150
Surrogate: M5PFHxA	123 %	25-150
Surrogate: M4PFHpA	182 %	PFSu-H 25-150
Surrogate: M3PFHxS	122 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	98.4 %	25-150
Surrogate: M6PFDA	97.7 %	25-150
Surrogate: M7PFUdA	58.7 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	22.9 %	PFSu-L 25-150
Surrogate: M2PFTeDA	25.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	12.6 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	117 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	115 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	96.6 %	10-150
Surrogate: d3-N-MeFOSAA	65.9 %	25-150
Surrogate: d5-N-EtFOSAA	49.3 %	25-150
Surrogate: M2-6:2 FTS	282 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	97.7 %	25-200
Surrogate: M9PFNA	102 %	25-150
Surrogate: M2-4:2 FTS	419 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	44.4 %	25-150
Surrogate: d-N-EtFOSA	20.5 %	PFSu-L 25-150
Surrogate: M3HFPO-DA	116 %	25-150
Surrogate: d9-N-EtFOSE	18.5 %	PFSu-L 25-150
Surrogate: d7-N-MeFOSE	20.9 %	PFSu-L 25-150



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 10:19 am	<u>Date Received</u> 04/18/2024
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**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:22	TAH



Sample Information

Client Sample ID: RIMW03\_04182024

York Sample ID: 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and Surrogate Recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, Total PCBs, and Surrogate Recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), 2,4-D, and Surrogate Recoveries.



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 117 %				30-150					

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-39-3	Barium	0.463		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-70-2	Calcium	276		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7439-89-6	Iron	9.88		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7439-92-1	Lead	0.00833		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7439-95-4	Magnesium	67.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7439-96-5	Manganese	1.90		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-09-7	Potassium	52.3	M-CCV 1, M-BS	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-23-5	Sodium	340	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR
7440-66-6	Zinc	0.164	B	mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:54	AGNR

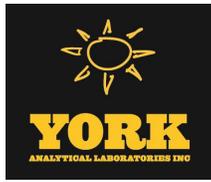
**Metals, Target Analyte, ICP Dissolved**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0617		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-39-3	Barium	0.349		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-70-2	Calcium	242	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7439-89-6	Iron	ND	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7439-95-4	Magnesium	69.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7439-96-5	Manganese	1.78		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-09-7	Potassium	67.7	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-23-5	Sodium	391	M-CCV 1, M-BS	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR
7440-66-6	Zinc	0.0396		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:19	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw
7440-38-2	Arsenic	16.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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24D1250

170758101

Ground Water

April 18, 2024 10:19 am

04/18/2024

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw
7440-28-0	Thallium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:52	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw
7782-49-2	Selenium	7.12	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw
7440-28-0	Thallium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:45	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:20	04/22/2024 08:20	PFA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** RIMW03\_04182024

**York Sample ID:** 24D1250-01

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 10:19 am	<u>Date Received</u> 04/18/2024
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/18/2024 22:30	04/18/2024 23:21	LRS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/26/2024 07:24	04/26/2024 09:33	VR
							Certifications:			

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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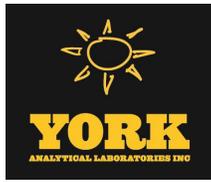
**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
67-64-1	<b>Acetone</b>	<b>16.8</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
110-82-7	<b>Cyclohexane</b>	<b>7.09</b>	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
98-82-8	<b>Isopropylbenzene</b>	<b>4.03</b>		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
108-87-2	<b>Methylcyclohexane</b>	<b>15.3</b>		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
95-47-6	<b>o-Xylene</b>	<b>0.650</b>		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 15:18	AC
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>0.620</b>		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 15:18	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
135-98-8	<b>sec-Butylbenzene</b>	<b>0.960</b>		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 15:18	AC
98-06-6	<b>tert-Butylbenzene</b>	<b>0.500</b>		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
1330-20-7	Xylenes, Total	1.27		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 15:18	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	119 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.3 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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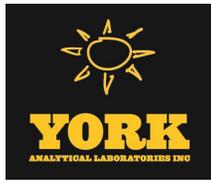
**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.52	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
98-86-2	Acetophenone	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
62-53-3	Aniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
100-52-7	Benzaldehyde	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
92-87-5	Benzidine	ND		ug/L	5.52	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
65-85-0	Benzoic acid	ND	CCVE, QL-02	ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.10	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
105-60-2	Caprolactam	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
86-74-8	Carbazole	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
132-64-9	Dibenzofuran	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
122-39-4	Diphenylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/23/2024 08:02	04/24/2024 13:35	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.52	11.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
78-59-1	Isophorone	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
108-95-2	Phenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:35	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.9 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	33.9 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	106 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	91.9 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	153 %	S-08		39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	115 %	S-08		30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	<b>Acenaphthene</b>	<b>0.199</b>		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
208-96-8	<b>Acenaphthylene</b>	<b>0.155</b>		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
120-12-7	<b>Anthracene</b>	<b>0.0994</b>		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
1912-24-9	Atrazine	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
218-01-9	Chrysene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
206-44-0	<b>Fluoranthene</b>	<b>0.0552</b>		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
86-73-7	<b>Fluorene</b>	<b>0.177</b>		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
118-74-1	Hexachlorobenzene	ND		ug/L	0.0221	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
87-68-3	Hexachlorobutadiene	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
67-72-1	Hexachloroethane	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
91-20-3	<b>Naphthalene</b>	<b>1.02</b>	B	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/23/2024 08:02	04/24/2024 13:55	SKF
98-95-3	Nitrobenzene	ND		ug/L	0.276	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF
87-86-5	Pentachlorophenol	ND		ug/L	0.276	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/23/2024 08:02	04/24/2024 13:55	SKF



Sample Information

Client Sample ID: RIMW06\_04182024

York Sample ID: 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Phenanthrene and Pyrene.

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,4-Dioxane and Surrogate Recoveries.

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various PFAS compounds like Perfluorobutanesulfonic acid, etc.



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.790	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>42.1</b>		ng/L	0.230	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.880	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.910	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>1.96</b>	J	ng/L	1.06	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>14.8</b>		ng/L	0.330	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.500	3.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:35	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.14	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:35	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:35	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.370	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/23/2024 18:01	04/25/2024 17:35	ESJ
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>1.18</b>	J	ng/L	0.760	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.23	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.700	7.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
919005-14-4	ADONA	ND		ng/L	0.530	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.930	1.94	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.860	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/23/2024 18:01	04/25/2024 17:35	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.03	5.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.33	25.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.47	25.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	04/23/2024 18:01	04/25/2024 17:35	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	85.5 %	25-150
Surrogate: M5PFHxA	93.9 %	25-150
Surrogate: M4PFHpA	139 %	25-150
Surrogate: M3PFHxS	88.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	77.7 %	25-150
Surrogate: M6PFDA	69.4 %	25-150
Surrogate: M7PFUdA	45.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	19.1 %	PFSu-L 25-150
Surrogate: M2PFTeDA	17.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	29.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	94.7 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	97.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	77.0 %	10-150
Surrogate: d3-N-MeFOSAA	54.6 %	25-150
Surrogate: d5-N-EtFOSAA	43.5 %	25-150
Surrogate: M2-6:2 FTS	237 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	71.1 %	25-200
Surrogate: M9PFNA	86.6 %	25-150
Surrogate: M2-4:2 FTS	400 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	27.9 %	25-150
Surrogate: d-N-EtFOSA	18.0 %	PFSu-L 25-150
Surrogate: M3HFPO-DA	93.9 %	25-150
Surrogate: d9-N-EtFOSE	18.0 %	PFSu-L 25-150
Surrogate: d7-N-MeFOSE	22.1 %	PFSu-L 25-150



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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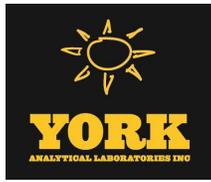
**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/19/2024 23:40	TAH



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	04/19/2024 08:15	04/19/2024 23:40	TAH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	77.3 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/19/2024 08:15	04/20/2024 02:02	NF
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/19/2024 08:15	04/20/2024 02:02	NF
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	49.0 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 17:44	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 17:44	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 17:44	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 105 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-39-3	Barium	1.33		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-70-2	Calcium	503		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7439-89-6	Iron	57.3		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7439-92-1	Lead	0.0105		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7439-95-4	Magnesium	84.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7439-96-5	Manganese	5.72		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-09-7	Potassium	69.7	M-BS, M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-23-5	Sodium	1040	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR
7440-66-6	Zinc	0.160	B	mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:34	04/24/2024 19:57	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0733		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-39-3	Barium	0.765		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-70-2	Calcium	436	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7439-89-6	Iron	0.568	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7439-95-4	Magnesium	88.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7439-96-5	Manganese	5.35		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-09-7	Potassium	92.5	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-23-5	Sodium	1350	M-BS, M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:22	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw
7440-38-2	Arsenic	29.3		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw



### Sample Information

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Ground Water

April 18, 2024 1:52 pm

04/18/2024

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw
7782-49-2	Selenium	8.26	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw
7440-28-0	Thallium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/24/2024 08:37	04/25/2024 17:56	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw
7440-38-2	Arsenic	1.65		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw
7782-49-2	Selenium	8.84	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw
7440-28-0	Thallium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 15:48	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:20	04/22/2024 08:20	PFA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**



**Sample Information**

**Client Sample ID:** RIMW06\_04182024

**York Sample ID:** 24D1250-02

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 09:41	04/19/2024 11:57	HLY
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/26/2024 07:24	04/26/2024 09:33	VR
							Certifications:			

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		



### Sample Information

**Client Sample ID:** TB01\_04182024

**York Sample ID:** 24D1250-03

<u>York Project (SDG) No.</u> 24D1250	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 18, 2024 1:52 pm	<u>Date Received</u> 04/18/2024
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC



### Sample Information

**Client Sample ID:** TB01\_04182024

**York Sample ID:** 24D1250-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC



### Sample Information

**Client Sample ID:** TB01\_04182024

**York Sample ID:** 24D1250-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 13:39	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 13:39	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 13:39	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC



**Sample Information**

**Client Sample ID:** TB01\_04182024

**York Sample ID:** 24D1250-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1250

170758101

Water

April 18, 2024 1:52 pm

04/18/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 13:39	AC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %	79-122								



## Analytical Batch Summary

**Batch ID:** BD41491      **Preparation Method:** Analysis Preparation      **Prepared By:** LRS

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/18/24
BD41491-BLK1	Blank	04/18/24
BD41491-BS1	LCS	04/18/24
BD41491-DUP1	Duplicate	04/18/24
BD41491-MS1	Matrix Spike	04/18/24
BD41491-MSD1	Matrix Spike Dup	04/18/24

**Batch ID:** BD41513      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** RJ

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/19/24
24D1250-01	RIMW03_04182024	04/19/24
24D1250-02	RIMW06_04182024	04/19/24
24D1250-02	RIMW06_04182024	04/19/24
BD41513-BLK1	Blank	04/19/24
BD41513-BLK2	Blank	04/19/24
BD41513-BS1	LCS	04/19/24
BD41513-BS2	LCS	04/19/24
BD41513-BSD1	LCS Dup	04/19/24
BD41513-BSD2	LCS Dup	04/19/24

**Batch ID:** BD41539      **Preparation Method:** Analysis Preparation      **Prepared By:** HLY

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-02	RIMW06_04182024	04/19/24
BD41539-BLK1	Blank	04/19/24
BD41539-BS1	LCS	04/19/24
BD41539-DUP1	Duplicate	04/19/24
BD41539-MS1	Matrix Spike	04/19/24

**Batch ID:** BD41627      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/22/24
24D1250-02	RIMW06_04182024	04/22/24
BD41627-BLK1	Blank	04/22/24
BD41627-BLK2	Blank	04/22/24
BD41627-BS1	LCS	04/22/24
BD41627-BS2	LCS	04/22/24

**Batch ID:** BD41670      **Preparation Method:** EPA 8151A      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
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24D1250-01	RIMW03_04182024	04/22/24
24D1250-02	RIMW06_04182024	04/22/24
BD41670-BLK1	Blank	04/22/24
BD41670-BS1	LCS	04/22/24
BD41670-BSD1	LCS Dup	04/22/24

**Batch ID:** BD41732      **Preparation Method:** EPA 3510C      **Prepared By:** SHS

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/23/24
24D1250-02	RIMW06_04182024	04/23/24
BD41732-BLK1	Blank	04/23/24
BD41732-BLK2	Blank	04/23/24
BD41732-BS1	LCS	04/23/24
BD41732-BS2	LCS	04/23/24
BD41732-BSD1	LCS Dup	04/23/24

**Batch ID:** BD41733      **Preparation Method:** EPA 3535A      **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/23/24
24D1250-02	RIMW06_04182024	04/23/24
BD41733-BLK1	Blank	04/23/24
BD41733-BS1	LCS	04/23/24
BD41733-MS1	Matrix Spike	04/23/24
BD41733-MSD1	Matrix Spike Dup	04/23/24

**Batch ID:** BD41797      **Preparation Method:** EPA 5030B      **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/22/24
24D1250-02	RIMW06_04182024	04/22/24
24D1250-03	TB01_04182024	04/22/24
BD41797-BLK1	Blank	04/22/24
BD41797-BS1	LCS	04/22/24
BD41797-BSD1	LCS Dup	04/22/24

**Batch ID:** BD41800      **Preparation Method:** EPA 1633 Prep      **Prepared By:** SAB

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/23/24
24D1250-02	RIMW06_04182024	04/23/24
BD41800-BLK1	Blank	04/23/24
BD41800-BS1	LCS	04/23/24
BD41800-BS2	LCS	04/23/24
BD41800-MS1	Matrix Spike	04/23/24
BD41800-MSD1	Matrix Spike Dup	04/23/24



**Batch ID:** BD41839

**Preparation Method:** EPA 3015A

**Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/24/24
24D1250-02	RIMW06_04182024	04/24/24
BD41839-BLK1	Blank	04/24/24
BD41839-BS1	LCS	04/24/24
BD41839-DUP1	Duplicate	04/24/24
BD41839-MS1	Matrix Spike	04/24/24
BD41839-PS1	Post Spike	04/24/24

**Batch ID:** BD41841

**Preparation Method:** EPA 3015A

**Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/24/24
24D1250-02	RIMW06_04182024	04/24/24
BD41841-BLK1	Blank	04/24/24
BD41841-BS1	LCS	04/24/24
BD41841-DUP1	Duplicate	04/24/24
BD41841-MS1	Matrix Spike	04/24/24

**Batch ID:** BD41901

**Preparation Method:** Analysis Preparation

**Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/25/24
24D1250-02	RIMW06_04182024	04/25/24
BD41901-BLK1	Blank	04/25/24
BD41901-BS1	LCS	04/25/24
BD41901-DUP1	Duplicate	04/25/24
BD41901-MS1	Matrix Spike	04/25/24
BD41901-MSD1	Matrix Spike Dup	04/25/24

**Batch ID:** BD41929

**Preparation Method:** EPA SW846-7470A

**Prepared By:** PFA

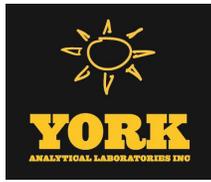
YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/25/24
24D1250-02	RIMW06_04182024	04/25/24
BD41929-BLK1	Blank	04/25/24
BD41929-BLK2	Blank	04/25/24
BD41929-BS1	LCS	04/25/24
BD41929-BS2	LCS	04/25/24

**Batch ID:** BD41933

**Preparation Method:** EPA 3015A

**Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/25/24
24D1250-02	RIMW06_04182024	04/25/24
BD41933-BLK1	Blank	04/25/24
BD41933-BS1	LCS	04/25/24



BD41933-DUP1	Duplicate	04/25/24
BD41933-MS1	Matrix Spike	04/25/24
BD41933-PS1	Post Spike	04/25/24

**Batch ID:** BD41934      **Preparation Method:** EPA 3015A      **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/25/24
24D1250-02	RIMW06_04182024	04/25/24
BD41934-BLK1	Blank	04/25/24
BD41934-BS1	LCS	04/25/24

**Batch ID:** BD41993      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24D1250-01	RIMW03_04182024	04/26/24
24D1250-02	RIMW06_04182024	04/26/24



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41797 - EPA 5030B**

Blank (BD41797-BLK1)	Blank	Prepared & Analyzed: 04/22/2024									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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

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

**Batch BD41797 - EPA 5030B**

Blank (BD41797-BLK1)	Blank	Prepared & Analyzed: 04/22/2024									
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	11.5		"	10.0		115	69-130				
Surrogate: SURRE: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				

LCS (BD41797-BS1)	LCS	Prepared & Analyzed: 04/22/2024									
1,1,1,2-Tetrachloroethane	9.65		ug/L	10.0		96.5	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	8.68		"	10.0		86.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.88		"	10.0		88.8	54-165				
1,1,2-Trichloroethane	8.49		"	10.0		84.9	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	11.2		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	6.27		"	10.0		62.7	76-136		Low Bias		
1,2,3-Trichloropropane	8.86		"	10.0		88.6	77-128				
1,2,4-Trichlorobenzene	6.73		"	10.0		67.3	76-137		Low Bias		
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.97		"	10.0		89.7	45-147				
1,2-Dibromoethane	8.23		"	10.0		82.3	83-124		Low Bias		
1,2-Dichlorobenzene	8.50		"	10.0		85.0	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	8.96		"	10.0		89.6	86-122				
1,4-Dichlorobenzene	8.70		"	10.0		87.0	85-124				
1,4-Dioxane	178		"	210		84.6	10-349				
2-Butanone	8.40		"	10.0		84.0	49-152				
2-Hexanone	8.29		"	10.0		82.9	51-146				
4-Methyl-2-pentanone	7.85		"	10.0		78.5	57-145				
Acetone	9.45		"	10.0		94.5	14-150				
Acrolein	3.77		"	10.0		37.7	10-153				
Acrylonitrile	8.06		"	10.0		80.6	51-150				
Benzene	10.2		"	10.0		102	85-126				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.93		"	10.0		99.3	79-128				



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

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	
<b>Batch BD41797 - EPA 5030B</b>											
<b>LCS (BD41797-BS1)</b>	<b>LCS</b>									Prepared & Analyzed: 04/22/2024	
Bromoform	6.81		ug/L	10.0		68.1	78-133				Low Bias
Bromomethane	9.77		"	10.0		97.7	43-168				
Carbon disulfide	10.3		"	10.0		103	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.62		"	10.0		96.2	88-120				
Chloroethane	16.0		"	10.0		160	65-136				High Bias
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	15.1		"	10.0		151	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.56		"	10.0		95.6	80-131				
Cyclohexane	4.81		"	10.0		48.1	63-149				Low Bias
Dibromochloromethane	8.86		"	10.0		88.6	80-130				
Dibromomethane	8.46		"	10.0		84.6	72-134				
Dichlorodifluoromethane	8.93		"	10.0		89.3	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	6.84		"	10.0		68.4	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	8.53		"	10.0		85.3	51-139				
Methyl tert-butyl ether (MTBE)	8.78		"	10.0		87.8	76-135				
Methylcyclohexane	9.29		"	10.0		92.9	72-143				
Methylene chloride	10.6		"	10.0		106	55-137				
n-Butylbenzene	10.3		"	10.0		103	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	22.4		"	20.0		112	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.0		"	10.0		100	79-137				
Styrene	9.74		"	10.0		97.4	67-132				
tert-Butyl alcohol (TBA)	32.2		"	50.0		64.5	25-162				
tert-Butylbenzene	8.94		"	10.0		89.4	77-138				
Tetrachloroethylene	8.65		"	10.0		86.5	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	14.3		"	10.0		143	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>79-122</i>				



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

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BD41797 - EPA 5030B</b>										
<b>LCS Dup (BD41797-bsd1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 04/22/2024								
1,1,1,2-Tetrachloroethane	9.74		ug/L	10.0	97.4	82-126			0.928	30
1,1,1-Trichloroethane	9.96		"	10.0	99.6	78-136			5.37	30
1,1,2,2-Tetrachloroethane	9.88		"	10.0	98.8	76-129			12.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.30		"	10.0	83.0	54-165			6.75	30
1,1,2-Trichloroethane	9.56		"	10.0	95.6	82-123			11.9	30
1,1-Dichloroethane	10.3		"	10.0	103	82-129			2.98	30
1,1-Dichloroethylene	10.4		"	10.0	104	68-138			7.30	30
1,2,3-Trichlorobenzene	6.98		"	10.0	69.8	76-136	Low Bias		10.7	30
1,2,3-Trichloropropane	10.0		"	10.0	100	77-128			12.6	30
1,2,4-Trichlorobenzene	7.50		"	10.0	75.0	76-137	Low Bias		10.8	30
1,2,4-Trimethylbenzene	10.6		"	10.0	106	82-132			4.96	30
1,2-Dibromo-3-chloropropane	9.79		"	10.0	97.9	45-147			8.74	30
1,2-Dibromoethane	9.29		"	10.0	92.9	83-124			12.1	30
1,2-Dichlorobenzene	8.82		"	10.0	88.2	79-123			3.70	30
1,2-Dichloroethane	11.4		"	10.0	114	73-132			6.17	30
1,2-Dichloropropane	10.3		"	10.0	103	78-126			2.77	30
1,3,5-Trimethylbenzene	10.5		"	10.0	105	80-131			8.03	30
1,3-Dichlorobenzene	8.89		"	10.0	88.9	86-122			0.784	30
1,4-Dichlorobenzene	8.76		"	10.0	87.6	85-124			0.687	30
1,4-Dioxane	255		"	210	121	10-349			35.5	30 Non-dir.
2-Butanone	9.71		"	10.0	97.1	49-152			14.5	30
2-Hexanone	10.6		"	10.0	106	51-146			24.2	30
4-Methyl-2-pentanone	9.83		"	10.0	98.3	57-145			22.4	30
Acetone	10.9		"	10.0	109	14-150			14.3	30
Acrolein	4.10		"	10.0	41.0	10-153			8.39	30
Acrylonitrile	9.49		"	10.0	94.9	51-150			16.3	30
Benzene	9.75		"	10.0	97.5	85-126			4.02	30
Bromochloromethane	10.7		"	10.0	107	77-128			4.77	30
Bromodichloromethane	10.0		"	10.0	100	79-128			0.702	30
Bromoform	8.04		"	10.0	80.4	78-133			16.6	30
Bromomethane	9.26		"	10.0	92.6	43-168			5.36	30
Carbon disulfide	9.54		"	10.0	95.4	68-146			7.66	30
Carbon tetrachloride	9.70		"	10.0	97.0	77-141			6.77	30
Chlorobenzene	9.49		"	10.0	94.9	88-120			1.36	30
Chloroethane	14.8		"	10.0	148	65-136	High Bias		7.52	30
Chloroform	10.0		"	10.0	100	82-128			2.27	30
Chloromethane	14.0		"	10.0	140	43-155			7.79	30
cis-1,2-Dichloroethylene	10.8		"	10.0	108	83-129			2.39	30
cis-1,3-Dichloropropylene	10.0		"	10.0	100	80-131			4.90	30
Cyclohexane	4.51		"	10.0	45.1	63-149	Low Bias		6.44	30
Dibromochloromethane	9.48		"	10.0	94.8	80-130			6.76	30
Dibromomethane	9.53		"	10.0	95.3	72-134			11.9	30
Dichlorodifluoromethane	8.22		"	10.0	82.2	44-144			8.28	30
Ethyl Benzene	10.6		"	10.0	106	80-131			3.89	30
Hexachlorobutadiene	6.53		"	10.0	65.3	67-146	Low Bias		4.64	30
Isopropylbenzene	10.1		"	10.0	101	76-140			7.96	30
Methyl acetate	10.5		"	10.0	105	51-139			21.1	30
Methyl tert-butyl ether (MTBE)	10.2		"	10.0	102	76-135			15.4	30
Methylcyclohexane	8.74		"	10.0	87.4	72-143			6.10	30
Methylene chloride	10.6		"	10.0	106	55-137			0.755	30
n-Butylbenzene	9.72		"	10.0	97.2	79-132			5.50	30



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

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BD41797 - EPA 5030B</b>										
<b>LCS Dup (BD41797-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 04/22/2024	
n-Propylbenzene	10.2		ug/L	10.0		102	78-133		7.37	30
o-Xylene	10.5		"	10.0		105	78-130		2.08	30
p- & m- Xylenes	21.5		"	20.0		107	77-133		4.15	30
p-Isopropyltoluene	9.85		"	10.0		98.5	81-136		5.62	30
sec-Butylbenzene	9.39		"	10.0		93.9	79-137		6.59	30
Styrene	9.80		"	10.0		98.0	67-132		0.614	30
tert-Butyl alcohol (TBA)	42.3		"	50.0		84.6	25-162		27.0	30
tert-Butylbenzene	8.37		"	10.0		83.7	77-138		6.59	30
Tetrachloroethylene	8.17		"	10.0		81.7	82-131	Low Bias	5.71	30
Toluene	10.2		"	10.0		102	80-127		3.68	30
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		4.27	30
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		9.07	30
Trichloroethylene	9.58		"	10.0		95.8	82-128		4.69	30
Trichlorofluoromethane	11.5		"	10.0		115	67-139		6.66	30
Vinyl Chloride	13.3		"	10.0		133	58-145		6.96	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>79-122</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41732 - EPA 3510C

Blank (BD41732-BLK1) Blank

Prepared: 04/23/2024 Analyzed: 04/24/2024

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41732 - EPA 3510C**

**Blank (BD41732-BLK1) Blank** Prepared: 04/23/2024 Analyzed: 04/24/2024

Surrogate: SURR: 2-Fluorophenol	16.3		ug/L	50.0		32.5	19.7-63.1				
Surrogate: SURR: Phenol-d6	11.5		"	50.0		23.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.8		"	25.0		87.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.6		"	25.0		66.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	52.5		"	50.0		105	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.5		"	25.0		94.0	30.7-106				

**Blank (BD41732-BLK2) Blank** Prepared: 04/23/2024 Analyzed: 04/24/2024

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.540	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41732 - EPA 3510C</b>											
<b>LCS (BD41732-BS1)</b>	<b>LCS</b>	Prepared: 04/23/2024 Analyzed: 04/24/2024									
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.4	33-95				
1,2,4,5-Tetrachlorobenzene	16.4	5.00	"	25.0		65.8	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	23.7	5.00	"	25.0		94.6	16-141				
2,3,4,6-Tetrachlorophenol	13.7	5.00	"	25.0		54.7	30-130				
2,4,5-Trichlorophenol	16.8	5.00	"	25.0		67.2	32-114				
2,4,6-Trichlorophenol	18.5	5.00	"	25.0		74.0	35-118				
2,4-Dichlorophenol	20.6	5.00	"	25.0		82.6	25-116				
2,4-Dimethylphenol	16.2	5.00	"	25.0		64.9	15-116				
2,4-Dinitrophenol	6.21	5.00	"	25.0		24.8	10-170				
2,4-Dinitrotoluene	30.8	5.00	"	25.0		123	41-128				
2,6-Dinitrotoluene	30.8	5.00	"	25.0		123	45-116	High Bias			
2-Chloronaphthalene	16.4	5.00	"	25.0		65.4	33-112				
2-Chlorophenol	13.7	5.00	"	25.0		54.9	15-120				
2-Methylnaphthalene	18.4	5.00	"	25.0		73.5	24-118				
2-Methylphenol	16.6	5.00	"	25.0		66.5	10-110				
2-Nitroaniline	24.8	5.00	"	25.0		99.3	34-129				
2-Nitrophenol	20.0	5.00	"	25.0		79.9	28-118				
3- & 4-Methylphenols	10.8	5.00	"	25.0		43.3	10-107				
3,3-Dichlorobenzidine	22.5	5.00	"	25.0		90.0	15-187				
3-Nitroaniline	20.0	5.00	"	25.0		80.1	24-134				
4,6-Dinitro-2-methylphenol	28.2	5.00	"	25.0		113	10-153				
4-Bromophenyl phenyl ether	24.8	5.00	"	25.0		99.2	34-120				
4-Chloro-3-methylphenol	25.2	5.00	"	25.0		101	20-120				
4-Chloroaniline	13.2	5.00	"	25.0		52.8	10-147				
4-Chlorophenyl phenyl ether	22.8	5.00	"	25.0		91.3	27-121				
4-Nitroaniline	23.4	5.00	"	25.0		93.6	13-134				
4-Nitrophenol	37.4	5.00	"	25.0		149	10-131	High Bias			
Acetophenone	17.7	5.00	"	25.0		70.9	25-110				
Aniline	18.8	5.00	"	25.0		75.1	10-117				
Benzaldehyde	11.6	5.00	"	25.0		46.4	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	6.20	5.00	"	25.0		24.8	10-117				
Benzyl butyl phthalate	19.1	5.00	"	25.0		76.5	29-133				
Bis(2-chloroethoxy)methane	20.3	5.00	"	25.0		81.2	10-154				
Bis(2-chloroethyl)ether	23.7	5.00	"	25.0		94.8	17-125				
Bis(2-chloroisopropyl)ether	16.0	5.00	"	25.0		64.1	10-139				
Caprolactam	3.67	5.00	"	25.0		14.7	10-137				
Carbazole	21.6	5.00	"	25.0		86.6	42-126				
Dibenzofuran	20.2	5.00	"	25.0		80.8	36-113				
Diethyl phthalate	22.5	5.00	"	25.0		90.0	38-115				
Dimethyl phthalate	23.1	5.00	"	25.0		92.4	38-129				
Di-n-butyl phthalate	21.9	5.00	"	25.0		87.5	31-120				
Di-n-octyl phthalate	21.6	5.00	"	25.0		86.3	21-149				
Diphenylamine	23.1	5.00	"	25.0		92.3	40-140				
Hexachlorocyclopentadiene	5.70	10.0	"	25.0		22.8	10-130				
Isophorone	25.1	5.00	"	25.0		101	25-127				
N-nitroso-di-n-propylamine	19.0	5.00	"	25.0		75.9	26-122				
N-Nitrosodiphenylamine	22.1	5.00	"	25.0		88.4	23-149				
Phenol	7.07	5.00	"	25.0		28.3	10-110				
Pyridine	3.63	5.00	"	35.0		10.4	10-90				
Surrogate: SURR: 2-Fluorophenol	13.5		"	50.0		26.9	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41732 - EPA 3510C

LCS (BD41732-BS1) LCS Prepared: 04/23/2024 Analyzed: 04/24/2024

Surrogate: SURR: Phenol-d6	8.48		ug/L	50.0		17.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.2		"	25.0		72.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.0		"	25.0		67.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	59.5		"	50.0		119	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.0		"	25.0		88.2	30.7-106				

LCS (BD41732-BS2) LCS Prepared: 04/23/2024 Analyzed: 04/24/2024

Acenaphthene	0.890	0.0500	ug/L	1.00		89.0	25-116				
Acenaphthylene	0.920	0.0500	"	1.00		92.0	26-116				
Anthracene	0.600	0.0500	"	1.00		60.0	25-123				
Benzo(a)anthracene	0.960	0.0500	"	1.00		96.0	33-125				
Benzo(a)pyrene	0.850	0.0500	"	1.00		85.0	32-132				
Benzo(b)fluoranthene	1.21	0.0500	"	1.00		121	22-137				
Benzo(g,h,i)perylene	1.35	0.0500	"	1.00		135	10-138				
Benzo(k)fluoranthene	1.17	0.0500	"	1.00		117	20-137				
Bis(2-ethylhexyl)phthalate	1.72	0.500	"	1.00		172	10-189				
Chrysene	1.04	0.0500	"	1.00		104	32-124				
Dibenzo(a,h)anthracene	1.36	0.0500	"	1.00		136	16-133	High Bias			
Fluoranthene	1.10	0.0500	"	1.00		110	32-121				
Fluorene	1.02	0.0500	"	1.00		102	28-118				
Hexachlorobenzene	1.21	0.0200	"	1.00		121	23-124				
Hexachlorobutadiene	0.840	0.500	"	1.00		84.0	15-123				
Hexachloroethane	4.50	0.500	"	1.00		450	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.35	0.0500	"	1.00		135	15-135				
Naphthalene	1.15	0.0500	"	1.00		115	18-120				
Nitrobenzene	0.690	0.250	"	1.00		69.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.32	0.250	"	1.00		132	10-156				
Phenanthrene	0.990	0.0500	"	1.00		99.0	24-127				
Pyrene	1.03	0.0500	"	1.00		103	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41732 - EPA 3510C</b>											
<b>LCS Dup (BD41732-BSD1)</b>	<b>LCS Dup</b>	Prepared: 04/23/2024 Analyzed: 04/24/2024									
1,1-Biphenyl	21.3	5.00	ug/L	25.0		85.3	33-95		24.9	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	20.6	5.00	"	25.0		82.6	26-120		22.6	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	28.1	5.00	"	25.0		112	16-141		17.2	20	
2,3,4,6-Tetrachlorophenol	23.8	5.00	"	25.0		95.3	30-130		54.2	20	Non-dir.
2,4,5-Trichlorophenol	22.0	5.00	"	25.0		87.9	32-114		26.8	20	Non-dir.
2,4,6-Trichlorophenol	24.2	5.00	"	25.0		96.8	35-118		26.7	20	Non-dir.
2,4-Dichlorophenol	25.7	5.00	"	25.0		103	25-116		22.0	20	Non-dir.
2,4-Dimethylphenol	19.8	5.00	"	25.0		79.2	15-116		19.9	20	
2,4-Dinitrophenol	22.2	5.00	"	25.0		88.7	10-170		113	20	Non-dir.
2,4-Dinitrotoluene	38.9	5.00	"	25.0		156	41-128	High Bias	23.3	20	Non-dir.
2,6-Dinitrotoluene	38.8	5.00	"	25.0		155	45-116	High Bias	22.9	20	Non-dir.
2-Chloronaphthalene	20.8	5.00	"	25.0		83.3	33-112		24.0	20	Non-dir.
2-Chlorophenol	16.3	5.00	"	25.0		65.1	15-120		17.1	20	
2-Methylnaphthalene	23.4	5.00	"	25.0		93.5	24-118		23.9	20	Non-dir.
2-Methylphenol	6.29	5.00	"	25.0		25.2	10-110		90.2	20	Non-dir.
2-Nitroaniline	32.3	5.00	"	25.0		129	34-129		26.1	20	Non-dir.
2-Nitrophenol	26.4	5.00	"	25.0		106	28-118		27.6	20	Non-dir.
3- & 4-Methylphenols	13.0	5.00	"	25.0		51.9	10-107		18.1	20	
3,3-Dichlorobenzidine	26.9	5.00	"	25.0		108	15-187		18.0	20	
3-Nitroaniline	24.1	5.00	"	25.0		96.4	24-134		18.5	20	
4,6-Dinitro-2-methylphenol	41.9	5.00	"	25.0		168	10-153	High Bias	39.3	20	Non-dir.
4-Bromophenyl phenyl ether	32.1	5.00	"	25.0		128	34-120	High Bias	25.6	20	Non-dir.
4-Chloro-3-methylphenol	32.1	5.00	"	25.0		129	20-120	High Bias	24.3	20	Non-dir.
4-Chloroaniline	14.2	5.00	"	25.0		56.6	10-147		7.02	20	
4-Chlorophenyl phenyl ether	28.7	5.00	"	25.0		115	27-121		22.9	20	Non-dir.
4-Nitroaniline	30.5	5.00	"	25.0		122	13-134		26.2	20	Non-dir.
4-Nitrophenol	45.4	5.00	"	25.0		182	10-131	High Bias	19.4	20	
Acetophenone	22.7	5.00	"	25.0		90.9	25-110		24.7	20	Non-dir.
Aniline	23.4	5.00	"	25.0		93.4	10-117		21.7	20	Non-dir.
Benzaldehyde	15.7	5.00	"	25.0		62.9	29-117		30.2	20	Non-dir.
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	10.2	5.00	"	25.0		40.8	10-117		48.9	20	Non-dir.
Benzyl butyl phthalate	24.6	5.00	"	25.0		98.3	29-133		24.9	20	Non-dir.
Bis(2-chloroethoxy)methane	25.3	5.00	"	25.0		101	10-154		22.0	20	Non-dir.
Bis(2-chloroethyl)ether	29.5	5.00	"	25.0		118	17-125		21.7	20	Non-dir.
Bis(2-chloroisopropyl)ether	22.4	5.00	"	25.0		89.6	10-139		33.3	20	Non-dir.
Caprolactam	5.35	5.00	"	25.0		21.4	10-137		37.3	20	Non-dir.
Carbazole	27.8	5.00	"	25.0		111	42-126		25.1	20	Non-dir.
Dibenzofuran	25.3	5.00	"	25.0		101	36-113		22.5	20	Non-dir.
Diethyl phthalate	27.6	5.00	"	25.0		111	38-115		20.5	20	Non-dir.
Dimethyl phthalate	28.5	5.00	"	25.0		114	38-129		21.1	20	Non-dir.
Di-n-butyl phthalate	28.0	5.00	"	25.0		112	31-120		24.5	20	Non-dir.
Di-n-octyl phthalate	27.3	5.00	"	25.0		109	21-149		23.4	20	Non-dir.
Diphenylamine	29.7	5.00	"	25.0		119	40-140		25.0	20	Non-dir.
Hexachlorocyclopentadiene	7.51	10.0	"	25.0		30.0	10-130		27.4	20	Non-dir.
Isophorone	31.1	5.00	"	25.0		124	25-127		21.2	20	Non-dir.
N-nitroso-di-n-propylamine	24.8	5.00	"	25.0		99.4	26-122		26.8	20	Non-dir.
N-Nitrosodiphenylamine	28.8	5.00	"	25.0		115	23-149		26.2	20	Non-dir.
Phenol	9.15	5.00	"	25.0		36.6	10-110		25.6	20	Non-dir.
Pyridine	6.57	5.00	"	35.0		18.8	10-90		57.6	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	16.6		"	50.0		33.2	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41732 - EPA 3510C

LCS Dup (BD41732-BSD1)    LCS Dup

Prepared: 04/23/2024 Analyzed: 04/24/2024

Surrogate: SURR: Phenol-d6	9.34		ug/L	50.0		18.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.5		"	25.0		81.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.4		"	25.0		73.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	66.4		"	50.0		133	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.8		"	25.0		95.2	30.7-106				





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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
<b>Batch BD41733 - EPA 3535A</b>													
<b>Blank (BD41733-BLK1)</b>	<b>Blank</b>												Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	ND	0.300	ug/L										
<i>Surrogate: 1,4-Dioxane-d8</i>	2.05		"	4.00		51.3		36.6-118					
<b>LCS (BD41733-BS1)</b>	<b>LCS</b>												Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	3.78	0.300	ug/L	4.00		94.4		50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.05		"	4.00		51.3		36.6-118					
<b>Matrix Spike (BD41733-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 24D1357-06 (Matrix Spike)											Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	3.46	0.300	ug/L	4.00	ND	86.4		50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.04		"	4.00		51.1		50-130					
<b>Matrix Spike Dup (BD41733-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 24D1357-06 (Matrix Spike Dup)											Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	3.54	0.300	ug/L	4.00	ND	88.4		50-130		2.29		30	
<i>Surrogate: 1,4-Dioxane-d8</i>	2.00		"	4.00		50.0		50-130					



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

York Analytical Laboratories, Inc. - Stratford

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

Batch BD41800 - EPA 1633 Prep

Blank (BD41800-BLK1) Blank Prepared: 04/23/2024 Analyzed: 04/25/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	17.5		"	23.3		74.9		25-150			
Surrogate: M5PFHxA	19.4		"	25.0		77.7		25-150			
Surrogate: M4PFHpA	33.8		"	25.0		135		25-150			
Surrogate: M3PFHxS	23.7		"	23.7		99.9		25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	19.1		"	25.0		76.5		25-150			
Surrogate: M6PFDA	11.0		"	12.5		88.4		25-150			
Surrogate: M7PFUdA	12.0		"	12.5		95.6		25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.46		"	12.5		59.7		25-150			
Surrogate: M2PFTeDA	7.39		"	12.5		59.1		10-150			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
<b>Batch BD41800 - EPA 1633 Prep</b>											
<b>Blank (BD41800-BLK1)</b>	<b>Blank</b>	Prepared: 04/23/2024 Analyzed: 04/25/2024									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.928		ng/L	100		0.928	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.4		"	24.0		93.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	11.6		"	50.0		23.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	20.8		"	25.0		83.4	10-150				
Surrogate: d3-N-MeFOSAA	37.7		"	50.0		75.5	25-150				
Surrogate: d5-N-EtFOSAA	38.5		"	50.0		77.0	25-150				
Surrogate: M2-6:2 FTS	81.9		"	47.6		172	25-200				
Surrogate: M2-8:2 FTS	45.8		"	48.0		95.3	25-200				
Surrogate: M9PFNA	10.5		"	12.5		84.3	25-150				
Surrogate: M2-4:2 FTS	71.9		"	46.9		153	25-150				
Surrogate: d-N-MeFOSA	15.1		"	25.0		60.5	25-150				
Surrogate: d-N-EtFOSA	11.0		"	25.0		44.2	25-150				
Surrogate: M3HFPO-DA	82.6		"	100		82.6	25-150				
Surrogate: d9-N-EtFOSE	115		"	250		46.0	25-150				
Surrogate: d7-N-MeFOSE	111		"	250		44.5	25-150				
<b>LCS (BD41800-BS1)</b>	<b>LCS</b>	Prepared: 04/23/2024 Analyzed: 04/25/2024									
Perfluorobutanesulfonic acid (PFBS)	35.6	1.77	ng/L	35.4		100	50-150				
Perfluorohexanoic acid (PFHxA)	41.0	2.00	"	40.0		102	50-150				
Perfluoroheptanoic acid (PFHpA)	25.8	2.00	"	40.0		64.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	39.6	1.83	"	36.6		108	50-150				
Perfluorooctanoic acid (PFOA)	46.6	2.00	"	40.0		116	50-150				
Perfluorooctanesulfonic acid (PFOS)	36.1	1.86	"	37.2		97.0	50-150				
Perfluorononanoic acid (PFNA)	44.6	2.00	"	40.0		112	50-150				
Perfluorodecanoic acid (PFDA)	50.3	2.00	"	40.0		126	50-150				
Perfluoroundecanoic acid (PFUnA)	44.1	2.00	"	40.0		110	50-150				
Perfluorododecanoic acid (PFDoA)	47.2	2.00	"	40.0		118	50-150				
Perfluorotridecanoic acid (PFTriDA)	51.3	2.00	"	40.0		128	50-150				
Perfluorotetradecanoic acid (PFTA)	40.6	2.00	"	40.0		101	50-150				
N-MeFOSAA	44.3	2.00	"	40.0		111	50-150				
N-EtFOSAA	39.7	2.00	"	40.0		99.2	50-150				
Perfluoropentanoic acid (PFPeA)	81.0	4.00	"	80.0		101	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.9	2.00	"	40.0		105	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	34.8	1.91	"	38.2		91.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	37.6	1.93	"	38.6		97.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	184	7.60	"	152		121	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	152	7.68	"	154		99.0	50-150				
Perfluoro-n-butanoic acid (PFBA)	128	8.00	"	160		80.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	71.5	3.56	"	71.2		100	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	59.4	4.00	"	80.0		74.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	11.9	4.00	"	80.0		14.9	50-150			Low Bias	
Perfluoro-5-oxahexanoic acid (PFMBA)	128	4.00	"	80.0		160	50-150			High Bias	
Perfluoro-1-pentanesulfonate (PFPeS)	37.8	1.88	"	37.6		101	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	189	7.50	"	150		126	50-150				
HFPO-DA (Gen-X)	70.7	8.00	"	80.0		88.4	50-150				
11CL-PF3OUdS	64.4	7.56	"	75.6		85.1	50-150				
9CL-PF3ONS	74.8	7.48	"	74.8		100	50-150				
ADONA	88.0	7.56	"	75.6		116	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

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

**Batch BD41800 - EPA 1633 Prep**

LCS (BD41800-BS1)	LCS	Prepared: 04/23/2024 Analyzed: 04/25/2024									
Perfluorododecanesulfonic acid (PFDoS)	24.8	1.94	ng/L	38.8		63.8	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	34.1	1.92	"	38.4		88.8	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	101	5.00	"	160		63.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	951	25.0	"	800		119	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1040	25.0	"	800		130	50-150				
N-MeFOSE	362	20.0	"	400		90.4	50-150				
N-MeFOSA	40.2	2.00	"	40.0		100	50-150				
N-EtFOSE	349	20.0	"	400		87.3	50-150				
N-EtFOSA	45.4	2.00	"	40.0		114	50-150				
Surrogate: M3PFBS	25.4		"	23.3		109	25-150				
Surrogate: M5PFHxA	26.7		"	25.0		107	25-150				
Surrogate: M4PFHpA	44.6		"	25.0		178	25-150				
Surrogate: M3PFHxS	29.2		"	23.7		123	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.5		"	25.0		90.0	25-150				
Surrogate: M6PFDA	12.4		"	12.5		99.3	25-150				
Surrogate: M7PFUdA	12.6		"	12.5		100	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.29		"	12.5		74.4	25-150				
Surrogate: M2PFTeDA	6.58		"	12.5		52.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.66		"	100		1.66	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	27.7		"	24.0		116	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	23.0		"	50.0		46.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.2		"	25.0		105	10-150				
Surrogate: d3-N-MeFOSAA	47.7		"	50.0		95.4	25-150				
Surrogate: d5-N-EtFOSAA	45.5		"	50.0		90.9	25-150				
Surrogate: M2-6:2 FTS	114		"	47.6		240	25-200				
Surrogate: M2-8:2 FTS	70.0		"	48.0		146	25-200				
Surrogate: M9PFNA	13.1		"	12.5		104	25-150				
Surrogate: M2-4:2 FTS	101		"	46.9		215	25-150				
Surrogate: d-N-MeFOSA	20.0		"	25.0		80.2	25-150				
Surrogate: d-N-EtFOSA	16.4		"	25.0		65.8	25-150				
Surrogate: M3HFPO-DA	114		"	100		114	25-150				
Surrogate: d9-N-EtFOSE	104		"	250		41.6	25-150				
Surrogate: d7-N-MeFOSE	110		"	250		43.9	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					%REC	RPD
<b>Batch BD41800 - EPA 1633 Prep</b>											
<b>LCS (BD41800-BS2)</b>	<b>LCS</b>	Prepared: 04/23/2024 Analyzed: 04/25/2024									
Perfluorobutanesulfonic acid (PFBS)	6.70	1.77	ng/L	7.08		94.7		50-150			
Perfluorohexanoic acid (PFHxA)	8.31	2.00	"	8.00		104		50-150			
Perfluoroheptanoic acid (PFHpA)	5.04	2.00	"	8.00		63.0		50-150			
Perfluorohexanesulfonic acid (PFHxS)	8.74	1.83	"	7.32		119		50-150			
Perfluorooctanoic acid (PFOA)	8.74	2.00	"	8.00		109		50-150			
Perfluorooctanesulfonic acid (PFOS)	8.30	1.86	"	7.44		112		50-150			
Perfluorononanoic acid (PFNA)	8.39	2.00	"	8.00		105		50-150			
Perfluorodecanoic acid (PFDA)	9.85	2.00	"	8.00		123		50-150			
Perfluoroundecanoic acid (PFUnA)	9.02	2.00	"	8.00		113		50-150			
Perfluorododecanoic acid (PFDoA)	8.99	2.00	"	8.00		112		50-150			
Perfluorotridecanoic acid (PFTriDA)	11.7	2.00	"	8.00		146		50-150			
Perfluorotetradecanoic acid (PFTA)	7.67	2.00	"	8.00		95.8		50-150			
N-MeFOSAA	8.82	2.00	"	8.00		110		50-150			
N-EtFOSAA	7.16	2.00	"	8.00		89.5		50-150			
Perfluoropentanoic acid (PFPeA)	15.6	4.00	"	16.0		97.5		50-150			
Perfluoro-1-octanesulfonamide (FOSA)	8.65	2.00	"	8.00		108		50-150			
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.88	1.91	"	7.64		90.0		50-150			
Perfluoro-1-decanesulfonic acid (PFDS)	9.19	1.93	"	7.72		119		50-150			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	38.0	7.60	"	30.4		125		50-150			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	32.5	7.68	"	30.7		106		50-150			
Perfluoro-n-butanoic acid (PFBA)	22.0	8.00	"	32.0		68.7		50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	14.6	3.56	"	14.2		103		50-150			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	14.5	4.00	"	16.0		90.5		50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.44	4.00	"	16.0		9.01		50-150			Low Bias
Perfluoro-5-oxahexanoic acid (PFMBA)	26.7	4.00	"	16.0		167		50-150			High Bias
Perfluoro-1-pentanesulfonate (PFPeS)	7.93	1.88	"	7.52		105		50-150			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	37.3	7.50	"	30.0		124		50-150			
HFPO-DA (Gen-X)	14.1	8.00	"	16.0		88.4		50-150			
11CL-PF3OUdS	13.8	7.56	"	15.1		91.3		50-150			
9CL-PF3ONS	15.3	7.48	"	15.0		102		50-150			
ADONA	17.6	7.56	"	15.1		116		50-150			
Perfluorododecanesulfonic acid (PFDoS)	6.31	1.94	"	7.76		81.3		50-150			
Perfluoro-1-nonanesulfonic acid (PFNS)	6.61	1.92	"	7.68		86.0		50-150			
3-Perfluoropropyl propanoic acid (FPrPA)	18.6	5.00	"	32.0		58.2		50-150			
3-Perfluoropentyl propanoic acid (FPePA)	191	25.0	"	160		120		50-150			
3-Perfluoroheptyl propanoic acid (FHpPA)	220	25.0	"	160		137		50-150			
N-MeFOSE	65.4	20.0	"	80.0		81.8		50-150			
N-MeFOSA	7.52	2.00	"	8.00		94.0		50-150			
N-EtFOSE	74.2	20.0	"	80.0		92.7		50-150			
N-EtFOSA	10.4	2.00	"	8.00		130		50-150			
Surrogate: M3PFBS	19.1		"	23.3		82.2		25-150			
Surrogate: M5PFHxA	20.2		"	25.0		80.9		25-150			
Surrogate: M4PFHpA	37.9		"	25.0		152		25-150			
Surrogate: M3PFHxS	23.5		"	23.7		99.3		25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	21.3		"	25.0		85.1		25-150			
Surrogate: M6PFDA	12.2		"	12.5		97.3		25-150			
Surrogate: M7PFUdA	11.3		"	12.5		90.6		25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.1		"	12.5		81.0		25-150			
Surrogate: M2PFTeDA	7.66		"	12.5		61.3		10-150			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41800 - EPA 1633 Prep

LCS (BD41800-BS2)	LCS	Prepared: 04/23/2024 Analyzed: 04/25/2024									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.13		ng/L	100		1.13	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.9		"	24.0		112	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	14.7		"	50.0		29.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.3		"	25.0		101	10-150				
Surrogate: d3-N-MeFOSAA	48.9		"	50.0		97.8	25-150				
Surrogate: d5-N-EtFOSAA	49.0		"	50.0		98.1	25-150				
Surrogate: M2-6:2 FTS	85.2		"	47.6		179	25-200				
Surrogate: M2-8:2 FTS	50.1		"	48.0		104	25-200				
Surrogate: M9PFNA	12.9		"	12.5		103	25-150				
Surrogate: M2-4:2 FTS	76.8		"	46.9		164	25-150				
Surrogate: d-N-MeFOSA	24.8		"	25.0		99.1	25-150				
Surrogate: d-N-EtFOSA	17.2		"	25.0		68.9	25-150				
Surrogate: M3HFPO-DA	91.3		"	100		91.3	25-150				
Surrogate: d9-N-EtFOSE	159		"	250		63.6	25-150				
Surrogate: d7-N-MeFOSE	157		"	250		62.6	25-150				

Matrix Spike (BD41800-MS1)	Matrix Spike	*Source sample: 24D1163-02 (Matrix Spike)									
Perfluorobutanesulfonic acid (PFBS)	46.0	1.77	ng/L	35.4	11.0	98.9	25-150				
Perfluorohexanoic acid (PFHxA)	81.3	2.00	"	40.0	32.5	122	25-150				
Perfluoroheptanoic acid (PFHpA)	37.7	2.00	"	40.0	8.79	72.3	25-150				
Perfluorohexanesulfonic acid (PFHxS)	105	1.83	"	36.6	66.5	104	25-150				
Perfluorooctanoic acid (PFOA)	68.1	2.00	"	40.0	25.4	107	25-150				
Perfluorooctanesulfonic acid (PFOS)	231	1.86	"	37.2	184	126	25-150				
Perfluorononanoic acid (PFNA)	46.6	2.00	"	40.0	1.92	112	25-150				
Perfluorodecanoic acid (PFDA)	47.7	2.00	"	40.0	ND	119	25-150				
Perfluoroundecanoic acid (PFUnA)	50.3	2.00	"	40.0	ND	126	25-150				
Perfluorododecanoic acid (PFDoA)	50.0	2.00	"	40.0	ND	125	25-150				
Perfluorotridecanoic acid (PFTriDA)	58.0	2.00	"	40.0	ND	145	25-150				
Perfluorotetradecanoic acid (PFTA)	49.7	2.00	"	40.0	ND	124	25-150				
N-MeFOSAA	49.6	2.00	"	40.0	ND	124	25-150				
N-EtFOSAA	46.1	2.00	"	40.0	ND	115	25-150				
Perfluoropentanoic acid (PFPeA)	113	4.00	"	80.0	30.9	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	44.2	2.00	"	40.0	ND	111	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	45.0	1.91	"	38.2	2.60	111	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	20.2	1.93	"	38.6	ND	52.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	184	7.60	"	152	4.73	118	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	163	7.68	"	154	ND	106	25-150				
Perfluoro-n-butanoic acid (PFBA)	197	8.00	"	160	23.0	109	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	82.7	3.56	"	71.2	ND	116	25-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	70.7	4.00	"	80.0	ND	88.4	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	80.3	4.00	"	80.0	ND	100	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	75.4	4.00	"	80.0	ND	94.3	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	46.7	1.88	"	37.6	10.2	96.9	25-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	161	7.50	"	150	ND	107	25-150				
HFPO-DA (Gen-X)	74.3	8.00	"	80.0	ND	92.9	25-150				
11CL-PF3OUdS	23.3	7.56	"	75.6	ND	30.8	25-150				
9CL-PF3ONS	62.1	7.48	"	74.8	ND	83.1	25-150				
ADONA	87.5	7.56	"	75.6	ND	116	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD		
		Limit	Units						RPD	Limit	Flag
<b>Batch BD41800 - EPA 1633 Prep</b>											
<b>Matrix Spike (BD41800-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 24D1163-02 (Matrix Spike)</b>						<b>Prepared: 04/23/2024 Analyzed: 04/25/2024</b>			
Perfluorododecanesulfonic acid (PFDoS)	13.5	1.94	ng/L	38.8	ND	34.7	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	28.0	1.92	"	38.4	ND	73.0	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	185	5.00	"	160	ND	116	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	968	25.0	"	800	10.2	120	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	972	25.0	"	800	ND	122	25-150				
N-MeFOSE	442	20.0	"	400	ND	111	25-150				
N-MeFOSA	37.9	2.00	"	40.0	ND	94.8	25-150				
N-EtFOSE	373	20.0	"	400	ND	93.2	25-150				
N-EtFOSA	43.9	2.00	"	40.0	ND	110	25-150				
Surrogate: M3PFBS	25.3		"	23.3		109	25-150				
Surrogate: M5PFHxA	25.2		"	25.0		101	25-150				
Surrogate: M4PFHpA	38.7		"	25.0		155	25-150				
Surrogate: M3PFHxS	25.8		"	23.7		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.0		"	25.0		87.9	25-150				
Surrogate: M6PFDA	9.05		"	12.5		72.4	25-150				
Surrogate: M7PFUdA	6.60		"	12.5		52.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.50		"	12.5		28.0	25-150				
Surrogate: M2PFTeDA	2.66		"	12.5		21.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	61.7		"	100		61.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1		"	24.0		92.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	56.4		"	50.0		113	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	19.5		"	25.0		78.0	10-150				
Surrogate: d3-N-MeFOSAA	28.6		"	50.0		57.3	25-150				
Surrogate: d5-N-EtFOSAA	22.1		"	50.0		44.2	25-150				
Surrogate: M2-6:2 FTS	121		"	47.6		255	25-200				
Surrogate: M2-8:2 FTS	47.6		"	48.0		99.1	25-200				
Surrogate: M9PFNA	11.3		"	12.5		90.6	25-150				
Surrogate: M2-4:2 FTS	230		"	46.9		490	25-150				
Surrogate: d-N-MeFOSA	8.76		"	25.0		35.0	25-150				
Surrogate: d-N-EtFOSA	5.08		"	25.0		20.3	25-150				
Surrogate: M3HFPO-DA	104		"	100		104	25-150				
Surrogate: d9-N-EtFOSE	53.0		"	250		21.2	25-150				
Surrogate: d7-N-MeFOSE	49.3		"	250		19.7	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41800 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BD41800-1) Matrix Spike Dup</b> Source sample: 24D1163-02 (Matrix Spike Dup) Prepared: 04/23/2024 Analyzed: 04/25/2024											
Perfluorobutanesulfonic acid (PFBS)	48.0	1.77	ng/L	35.4	11.0	104	25-150		4.20	35	
Perfluorohexanoic acid (PFHxA)	74.2	2.00	"	40.0	32.5	104	25-150		9.08	35	
Perfluoroheptanoic acid (PFHpA)	38.2	2.00	"	40.0	8.79	73.4	25-150		1.19	35	
Perfluorohexanesulfonic acid (PFHxS)	106	1.83	"	36.6	66.5	107	25-150		0.922	35	
Perfluorooctanoic acid (PFOA)	72.1	2.00	"	40.0	25.4	117	25-150		5.69	35	
Perfluorooctanesulfonic acid (PFOS)	201	1.86	"	37.2	184	43.7	25-150		14.2	35	
Perfluorononanoic acid (PFNA)	52.1	2.00	"	40.0	1.92	125	25-150		11.2	35	
Perfluorodecanoic acid (PFDA)	46.6	2.00	"	40.0	ND	117	25-150		2.31	35	
Perfluoroundecanoic acid (PFUnA)	58.0	2.00	"	40.0	ND	145	25-150		14.2	35	
Perfluorododecanoic acid (PFDoA)	57.2	2.00	"	40.0	ND	143	25-150		13.4	35	
Perfluorotridecanoic acid (PFTriDA)	48.4	2.00	"	40.0	ND	121	25-150		18.0	35	
Perfluorotetradecanoic acid (PFTA)	51.6	2.00	"	40.0	ND	129	25-150		3.85	35	
N-MeFOSAA	57.1	2.00	"	40.0	ND	143	25-150		13.9	35	
N-EtFOSAA	55.0	2.00	"	40.0	ND	138	25-150		17.5	35	
Perfluoropentanoic acid (PFPeA)	112	4.00	"	80.0	30.9	101	25-150		0.874	35	
Perfluoro-1-octanesulfonamide (FOSA)	48.2	2.00	"	40.0	ND	121	25-150		8.63	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	39.4	1.91	"	38.2	2.60	96.4	25-150		13.3	35	
Perfluoro-1-decanesulfonic acid (PFDS)	16.6	1.93	"	38.6	ND	43.0	25-150		19.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	188	7.60	"	152	4.73	121	25-150		2.06	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	181	7.68	"	154	ND	118	25-150		10.8	35	
Perfluoro-n-butanoic acid (PFBA)	195	8.00	"	160	23.0	107	25-150		1.26	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	82.9	3.56	"	71.2	ND	116	25-150		0.265	30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	69.3	4.00	"	80.0	ND	86.6	25-150		2.05	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	86.2	4.00	"	80.0	ND	108	25-150		7.00	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	75.9	4.00	"	80.0	ND	94.9	25-150		0.612	30	
Perfluoro-1-pentanesulfonate (PFPeS)	48.6	1.88	"	37.6	10.2	102	25-150		4.10	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	166	7.50	"	150	ND	111	25-150		3.18	30	
HFPO-DA (Gen-X)	76.5	8.00	"	80.0	ND	95.6	25-150		2.91	30	
11CL-PF3OUdS	21.2	7.56	"	75.6	ND	28.1	25-150		9.46	30	
9CL-PF3ONS	61.6	7.48	"	74.8	ND	82.4	25-150		0.869	30	
ADONA	85.2	7.56	"	75.6	ND	113	25-150		2.66	30	
Perfluorododecanesulfonic acid (PFDoS)	11.7	1.94	"	38.8	ND	30.2	25-150		13.7	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	24.2	1.92	"	38.4	ND	63.1	25-150		14.5	30	
3-Perfluoropropyl propanoic acid (FPrPA)	193	5.00	"	160	ND	121	25-150		4.24	30	
3-Perfluoropentyl propanoic acid (FPePA)	981	25.0	"	800	10.2	121	25-150		1.39	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	1040	25.0	"	800	ND	130	25-150		6.99	30	
N-MeFOSE	456	20.0	"	400	ND	114	25-150		2.95	30	
N-MeFOSA	48.7	2.00	"	40.0	ND	122	25-150		24.9	30	
N-EtFOSE	469	20.0	"	400	ND	117	25-150		22.7	30	
N-EtFOSA	57.0	2.00	"	40.0	ND	142	25-150		25.9	30	
Surrogate: M3PFBS	25.7		"	23.3		110	25-150				
Surrogate: M5PFHxA	26.7		"	25.0		107	25-150				
Surrogate: M4PFHpA	39.7		"	25.0		159	25-150				
Surrogate: M3PFHxS	26.5		"	23.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.0		"	25.0		87.8	25-150				
Surrogate: M6PFDA	10.5		"	12.5		83.7	25-150				
Surrogate: M7PFUdA	6.70		"	12.5		53.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.44		"	12.5		27.5	25-150				
Surrogate: M2PFTeDA	3.65		"	12.5		29.2	10-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

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

**Batch BD41800 - EPA 1633 Prep**

**Matrix Spike Dup (BD41800-1) Matrix Spike Dup** Source sample: 24D1163-02 (Matrix Spike Dup) Prepared: 04/23/2024 Analyzed: 04/25/2024

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	77.2		ng/L	100		77.2		25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.8		"	24.0		112		25-150			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	58.3		"	50.0		117		25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	18.9		"	25.0		75.5		10-150			
Surrogate: d3-N-MeFOSAA	28.3		"	50.0		56.6		25-150			
Surrogate: d5-N-EtFOSAA	19.4		"	50.0		38.9		25-150			
Surrogate: M2-6:2 FTS	135		"	47.6		283		25-200			
Surrogate: M2-8:2 FTS	54.7		"	48.0		114		25-200			
Surrogate: M9PFNA	11.4		"	12.5		91.3		25-150			
Surrogate: M2-4:2 FTS	245		"	46.9		522		25-150			
Surrogate: d-N-MeFOSA	7.45		"	25.0		29.8		25-150			
Surrogate: d-N-EtFOSA	4.66		"	25.0		18.6		25-150			
Surrogate: M3HFPO-DA	116		"	100		116		25-150			
Surrogate: d9-N-EtFOSE	37.8		"	250		15.1		25-150			
Surrogate: d7-N-MeFOSE	46.7		"	250		18.7		25-150			



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41513 - EPA SW846-3510C Low Level**

Blank (BD41513-BLK1)	Blank	Prepared & Analyzed: 04/19/2024									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.141		"	0.200		70.4	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.123		"	0.200		61.7	30-150				

LCS (BD41513-BS1)	LCS	Prepared & Analyzed: 04/19/2024									
4,4'-DDD	0.0708	0.00400	ug/L	0.100		70.8	40-140				20
4,4'-DDE	0.0663	0.00400	"	0.100		66.3	40-140				20
4,4'-DDT	0.0870	0.00400	"	0.100		87.0	40-140				20
Aldrin	0.0554	0.00400	"	0.100		55.4	40-140				20
alpha-BHC	0.0645	0.00400	"	0.100		64.5	40-140				20
alpha-Chlordane	0.0656	0.00400	"	0.100		65.6	40-140				20
beta-BHC	0.0748	0.00400	"	0.100		74.8	40-140				20
delta-BHC	0.0713	0.00400	"	0.100		71.3	40-140				20
Dieldrin	0.0694	0.00200	"	0.100		69.4	40-140				20
Endosulfan I	0.0708	0.00400	"	0.100		70.8	40-140				20
Endosulfan II	0.0767	0.00400	"	0.100		76.7	40-140				20
Endosulfan sulfate	0.0729	0.00400	"	0.100		72.9	40-140				20
Endrin	0.0748	0.00400	"	0.100		74.8	40-140				20
Endrin aldehyde	0.0869	0.0100	"	0.100		86.9	40-140				20
Endrin ketone	0.0786	0.0100	"	0.100		78.6	40-140				20
gamma-BHC (Lindane)	0.0707	0.00400	"	0.100		70.7	40-140				20
gamma-Chlordane	0.0674	0.0100	"	0.100		67.4	40-140				20
Heptachlor	0.0695	0.00400	"	0.100		69.5	40-140				20
Heptachlor epoxide	0.0697	0.00400	"	0.100		69.7	40-140				20
Methoxychlor	0.0922	0.00400	"	0.100		92.2	40-140				20

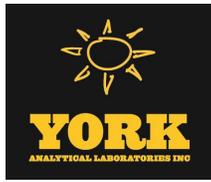
<i>Surrogate: Decachlorobiphenyl</i>	0.145		"	0.200		72.6	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.133		"	0.200		66.3	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BD41513 - EPA SW846-3510C Low Level</b>											
<b>LCS Dup (BD41513-BSD1)</b>	<b>LCS Dup</b>									Prepared & Analyzed: 04/19/2024	
4,4'-DDD	0.0581	0.00400	ug/L	0.100		58.1	40-140			19.7	20
4,4'-DDE	0.0507	0.00400	"	0.100		50.7	40-140			26.7	20 Non-dir.
4,4'-DDT	0.0719	0.00400	"	0.100		71.9	40-140			19.1	20
Aldrin	0.0435	0.00400	"	0.100		43.5	40-140			24.0	20 Non-dir.
alpha-BHC	0.0504	0.00400	"	0.100		50.4	40-140			24.6	20 Non-dir.
alpha-Chlordane	0.0531	0.00400	"	0.100		53.1	40-140			21.1	20 Non-dir.
beta-BHC	0.0542	0.00400	"	0.100		54.2	40-140			32.0	20 Non-dir.
delta-BHC	0.0553	0.00400	"	0.100		55.3	40-140			25.2	20 Non-dir.
Dieldrin	0.0548	0.00200	"	0.100		54.8	40-140			23.6	20 Non-dir.
Endosulfan I	0.0563	0.00400	"	0.100		56.3	40-140			22.7	20 Non-dir.
Endosulfan II	0.0622	0.00400	"	0.100		62.2	40-140			20.8	20 Non-dir.
Endosulfan sulfate	0.0608	0.00400	"	0.100		60.8	40-140			18.1	20
Endrin	0.0612	0.00400	"	0.100		61.2	40-140			20.0	20
Endrin aldehyde	0.0774	0.0100	"	0.100		77.4	40-140			11.5	20
Endrin ketone	0.0654	0.0100	"	0.100		65.4	40-140			18.3	20
gamma-BHC (Lindane)	0.0557	0.00400	"	0.100		55.7	40-140			23.8	20 Non-dir.
gamma-Chlordane	0.0521	0.0100	"	0.100		52.1	40-140			25.6	20 Non-dir.
Heptachlor	0.0532	0.00400	"	0.100		53.2	40-140			26.5	20 Non-dir.
Heptachlor epoxide	0.0547	0.00400	"	0.100		54.7	40-140			24.1	20 Non-dir.
Methoxychlor	0.0793	0.00400	"	0.100		79.3	40-140			15.1	20
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.129</i>		<i>"</i>	<i>0.200</i>		<i>64.5</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.104</i>		<i>"</i>	<i>0.200</i>		<i>52.1</i>	<i>30-150</i>				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41513 - EPA SW846-3510C Low Level</b>												
<b>Blank (BD41513-BLK2)</b>	<b>Blank</b>							Prepared & Analyzed: 04/19/2024				
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.102		"	0.200		51.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.196		"	0.200		98.0	30-120					
<b>LCS (BD41513-BS2)</b>	<b>LCS</b>							Prepared & Analyzed: 04/19/2024				
Aroclor 1016	0.669	0.0500	ug/L	1.00		66.9	40-120					
Aroclor 1260	0.750	0.0500	"	1.00		75.0	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.117		"	0.200		58.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.205		"	0.200		102	30-120					
<b>LCS Dup (BD41513-BSD2)</b>	<b>LCS Dup</b>							Prepared & Analyzed: 04/19/2024				
Aroclor 1016	0.636	0.0500	ug/L	1.00		63.6	40-120	5.09	30			
Aroclor 1260	0.739	0.0500	"	1.00		73.9	40-120	1.50	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.111		"	0.200		55.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.169		"	0.200		84.5	30-120					



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41670 - EPA 8151A</b>												
<b>Blank (BD41670-BLK1)</b>	<b>Blank</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	ND	5.00	ug/L									
2,4,5-TP (Silvex)	ND	5.00	"									
2,4-D	ND	5.00	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	136		"	125		109	30-150					
<b>LCS (BD41670-BS1)</b>	<b>LCS</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	32.8	5.00	ug/L	40.0		81.9	10-140					
2,4,5-TP (Silvex)	33.2	5.00	"	40.0		83.1	10-139					
2,4-D	32.8	5.00	"	40.0		81.9	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	151		"	125		121	30-150					
<b>LCS Dup (BD41670-BSD1)</b>	<b>LCS Dup</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	29.2	5.00	ug/L	40.0		73.1	10-140		11.3	30		
2,4,5-TP (Silvex)	31.0	5.00	"	40.0		77.5	10-139		7.00	30		
2,4-D	30.8	5.00	"	40.0		76.9	10-140		6.30	30		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	153		"	125		122	30-150					



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

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

**Batch BD41839 - EPA 3015A**

<b>Blank (BD41839-BLK1)</b>		<b>Blank</b>											Prepared: 04/24/2024 Analyzed: 04/25/2024	
Aluminum	ND	0.0556	mg/L											
Barium	ND	0.0278	"											
Calcium	ND	0.0556	"											
Chromium	ND	0.00556	"											
Cobalt	ND	0.00444	"											
Copper	ND	0.0222	"											
Iron	ND	0.278	"											
Lead	ND	0.00556	"											
Magnesium	ND	0.0556	"											
Manganese	ND	0.00556	"											
Nickel	ND	0.0111	"											
Potassium	ND	0.0556	"											
Silver	ND	0.00556	"											
Sodium	ND	0.556	"											
Vanadium	ND	0.0111	"											
Zinc	0.0432	0.0278	"											

<b>LCS (BD41839-BS1)</b>		<b>LCS</b>											Prepared & Analyzed: 04/24/2024	
Aluminum	1.76		ug/mL	2.00	88.2	80-120								
Barium	2.11		"	2.00	106	80-120								
Calcium	1.01		"	1.00	101	80-120								
Chromium	0.204		"	0.200	102	80-120								
Cobalt	0.510		"	0.500	102	80-120								
Copper	0.272		"	0.250	109	80-120								
Iron	0.878		"	1.00	87.8	80-120								
Lead	0.501		"	0.500	100	80-120								
Magnesium	0.860		"	1.00	86.0	80-120								
Manganese	0.523		"	0.500	105	80-120								
Nickel	0.507		"	0.500	101	80-120								
Potassium	0.799		"	1.00	79.9	80-120	Low Bias							
Silver	0.0473		"	0.0500	94.6	80-120								
Sodium	0.848		"	1.00	84.8	80-120								
Vanadium	0.497		"	0.500	99.4	80-120								
Zinc	0.597		"	0.500	119	80-120								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41839 - EPA 3015A**

Duplicate (BD41839-DUP1)	Duplicate	*Source sample: 24D1431-13 (Duplicate)				Prepared & Analyzed: 04/24/2024						
Aluminum		ND	0.0556	mg/L	ND						20	
Barium		ND	0.0278	"	ND						20	
Calcium		0.252	0.0556	"	0.471				60.7		20	Non-dir.
Chromium		ND	0.00556	"	ND						20	
Cobalt		ND	0.00444	"	ND						20	
Copper		ND	0.0222	"	ND						20	
Iron		ND	0.278	"	ND						20	
Lead		ND	0.00556	"	ND						20	
Magnesium		0.0853	0.0556	"	ND						20	
Manganese		ND	0.00556	"	ND						20	
Nickel		ND	0.0111	"	ND						20	
Potassium		ND	0.0556	"	ND						20	
Silver		ND	0.00556	"	ND						20	
Sodium		ND	0.556	"	ND						20	
Vanadium		ND	0.0111	"	ND						20	
Zinc		0.106	0.0278	"	0.127					18.0	20	

Matrix Spike (BD41839-MS1)	Matrix Spike	*Source sample: 24D1431-13 (Matrix Spike)				Prepared & Analyzed: 04/24/2024						
Aluminum		1.96	0.0556	mg/L	2.22	ND	88.1	75-125				
Barium		2.32	0.0278	"	2.22	ND	104	75-125				
Calcium		1.32	0.0556	"	1.11	0.471	76.1	75-125				
Chromium		0.225	0.00556	"	0.222	ND	101	75-125				
Cobalt		0.561	0.00444	"	0.556	ND	101	75-125				
Copper		0.296	0.0222	"	0.278	ND	107	75-125				
Iron		1.02	0.278	"	1.11	ND	91.4	75-125				
Lead		0.547	0.00556	"	0.556	ND	98.4	75-125				
Magnesium		1.00	0.0556	"	1.11	ND	90.1	75-125				
Manganese		0.576	0.00556	"	0.556	ND	104	75-125				
Nickel		0.562	0.0111	"	0.556	ND	101	75-125				
Potassium		0.928	0.0556	"	1.11	ND	83.5	75-125				
Silver		0.0518	0.00556	"	0.0556	ND	93.3	75-125				
Sodium		1.25	0.556	"	1.11	ND	112	75-125				
Vanadium		0.550	0.0111	"	0.556	ND	99.0	75-125				
Zinc		0.645	0.0278	"	0.556	0.127	93.1	75-125				



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

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

**Batch BD41839 - EPA 3015A**

Post Spike (BD41839-PS1)	Post Spike	*Source sample: 24D1431-13 (Post Spike)					Prepared & Analyzed: 04/24/2024						
Aluminum	1.93		ug/mL	2.00	0.00489	96.4	75-125						
Barium	2.30		"	2.00	0.000816	115	75-125						
Calcium	1.43		"	1.00	0.424	101	75-125						
Chromium	0.220		"	0.200	0.00231	109	75-125						
Cobalt	0.547		"	0.500	-0.000917	109	75-125						
Copper	0.287		"	0.250	0.00771	112	75-125						
Iron	0.983		"	1.00	0.0326	95.0	75-125						
Lead	0.542		"	0.500	0.00429	108	75-125						
Magnesium	1.00		"	1.00	0.0198	98.0	75-125						
Manganese	0.566		"	0.500	0.00114	113	75-125						
Nickel	0.551		"	0.500	-0.0000842	110	75-125						
Potassium	0.890		"	1.00	-0.00985	89.0	75-125						
Silver	0.0136		"	0.0500	0.000101	26.9	75-125						Low Bias
Sodium	1.19		"	1.00	0.448	74.1	75-125						Low Bias
Vanadium	0.535		"	0.500	0.0000231	107	75-125						
Zinc	0.636		"	0.500	0.115	104	75-125						

**Batch BD41933 - EPA 3015A**

Blank (BD41933-BLK1)	Blank	Prepared: 04/25/2024 Analyzed: 04/26/2024											
Aluminum - Dissolved	ND	0.0556	mg/L										
Barium - Dissolved	ND	0.0278	"										
Calcium - Dissolved	ND	0.0556	"										
Chromium - Dissolved	ND	0.00556	"										
Cobalt - Dissolved	ND	0.00444	"										
Copper - Dissolved	ND	0.0222	"										
Iron - Dissolved	ND	0.278	"										
Lead - Dissolved	ND	0.00556	"										
Magnesium - Dissolved	ND	0.0556	"										
Manganese - Dissolved	ND	0.00556	"										
Nickel - Dissolved	ND	0.0111	"										
Potassium - Dissolved	ND	0.0556	"										
Silver - Dissolved	ND	0.00556	"										
Sodium - Dissolved	ND	0.556	"										
Vanadium - Dissolved	ND	0.0111	"										
Zinc - Dissolved	ND	0.0278	"										



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41933 - EPA 3015A**

<b>LCS (BD41933-BS1)</b>	<b>LCS</b>	Prepared: 04/25/2024 Analyzed: 04/26/2024									
Aluminum - Dissolved	1.88		ug/mL	2.00		93.9	80-120				
Barium - Dissolved	2.03		"	2.00		101	80-120				
Calcium - Dissolved	0.915		"	1.00		91.5	80-120				
Chromium - Dissolved	0.196		"	0.200		97.8	80-120				
Cobalt - Dissolved	0.488		"	0.500		97.7	80-120				
Copper - Dissolved	0.307		"	0.250		123	80-120	High Bias			
Iron - Dissolved	0.894		"	1.00		89.4	80-120				
Lead - Dissolved	0.484		"	0.500		96.8	80-120				
Magnesium - Dissolved	0.897		"	1.00		89.7	80-120				
Manganese - Dissolved	0.509		"	0.500		102	80-120				
Nickel - Dissolved	0.499		"	0.500		99.7	80-120				
Potassium - Dissolved	1.04		"	1.00		104	80-120				
Silver - Dissolved	0.0448		"	0.0500		89.6	80-120				
Sodium - Dissolved	1.31		"	1.00		131	80-120	High Bias			
Vanadium - Dissolved	0.479		"	0.500		95.9	80-120				
Zinc - Dissolved	0.482		"	0.500		96.5	80-120				

<b>Duplicate (BD41933-DUP1)</b>	<b>Duplicate</b>	*Source sample: 24D1357-02 (Duplicate) Prepared: 04/25/2024 Analyzed: 04/26/2024									
Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.384	0.0278	"		0.382				0.641		20
Calcium - Dissolved	174	0.0556	"		172				1.53		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00444	"		ND						20
Copper - Dissolved	0.0315	0.0222	"		0.0352				11.1		20
Iron - Dissolved	24.4	0.278	"		24.1				1.12		20
Lead - Dissolved	0.00626	0.00556	"		0.00898				35.6		20
Magnesium - Dissolved	47.3	0.0556	"		46.9				0.943		20
Manganese - Dissolved	0.900	0.00556	"		0.897				0.389		20
Nickel - Dissolved	ND	0.0111	"		ND						20
Potassium - Dissolved	49.0	0.0556	"		48.8				0.252		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	785	0.556	"		785				0.00631		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	0.0388	0.0278	"		0.0412				5.93		20



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

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

**Batch BD41933 - EPA 3015A**

<b>Matrix Spike (BD41933-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 24D1357-02 (Matrix Spike)</b>						<b>Prepared: 04/25/2024 Analyzed: 04/26/2024</b>			
Aluminum - Dissolved	2.51	0.0556	mg/L	2.22	ND	113	75-125				
Barium - Dissolved	2.69	0.0278	"	2.22	0.382	104	75-125				
Calcium - Dissolved	171	0.0556	"	1.11	172	NR	75-125	Low Bias			
Chromium - Dissolved	0.226	0.00556	"	0.222	ND	102	75-125				
Cobalt - Dissolved	0.537	0.00444	"	0.556	ND	96.6	75-125				
Copper - Dissolved	0.367	0.0222	"	0.278	0.0352	119	75-125				
Iron - Dissolved	24.9	0.278	"	1.11	24.1	63.9	75-125	Low Bias			
Lead - Dissolved	0.521	0.00556	"	0.556	0.00898	92.2	75-125				
Magnesium - Dissolved	47.6	0.0556	"	1.11	46.9	59.6	75-125	Low Bias			
Manganese - Dissolved	1.45	0.00556	"	0.556	0.897	99.9	75-125				
Nickel - Dissolved	0.544	0.0111	"	0.556	ND	98.0	75-125				
Potassium - Dissolved	49.7	0.0556	"	1.11	48.8	80.6	75-125				
Silver - Dissolved	0.0599	0.00556	"	0.0556	ND	108	75-125				
Sodium - Dissolved	784	0.556	"	1.11	785	NR	75-125	Low Bias			
Vanadium - Dissolved	0.560	0.0111	"	0.556	ND	101	75-125				
Zinc - Dissolved	0.587	0.0278	"	0.556	0.0412	98.3	75-125				

<b>Post Spike (BD41933-PS1)</b>	<b>Post Spike</b>	<b>*Source sample: 24D1357-02 (Post Spike)</b>						<b>Prepared: 04/25/2024 Analyzed: 04/26/2024</b>			
Aluminum - Dissolved	2.27		ug/mL	2.00	0.0442	111	75-125				
Barium - Dissolved	2.47		"	2.00	0.344	106	75-125				
Calcium - Dissolved	155		"	1.00	155	91.1	75-125				
Chromium - Dissolved	0.206		"	0.200	0.00231	102	75-125				
Cobalt - Dissolved	0.490		"	0.500	-0.00182	98.0	75-125				
Copper - Dissolved	0.328		"	0.250	0.0317	118	75-125				
Iron - Dissolved	22.4		"	1.00	21.7	67.6	75-125	Low Bias			
Lead - Dissolved	0.477		"	0.500	0.00808	93.9	75-125				
Magnesium - Dissolved	42.6		"	1.00	42.2	38.5	75-125	Low Bias			
Manganese - Dissolved	1.32		"	0.500	0.807	103	75-125				
Nickel - Dissolved	0.493		"	0.500	0.00157	98.3	75-125				
Potassium - Dissolved	44.1		"	1.00	44.0	11.2	75-125	Low Bias			
Silver - Dissolved	0.0137		"	0.0500	0.0000776	27.3	75-125	Low Bias			
Sodium - Dissolved	692		"	1.00	707	NR	75-125	Low Bias			
Vanadium - Dissolved	0.512		"	0.500	0.00105	102	75-125				
Zinc - Dissolved	0.534		"	0.500	0.0370	99.3	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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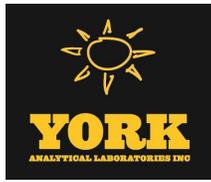
**Batch BD41841 - EPA 3015A**

<b>Blank (BD41841-BLK1)</b>		Blank		Prepared: 04/24/2024 Analyzed: 04/25/2024								
Antimony	ND	1.11	ug/L									
Arsenic	ND	1.11	"									
Beryllium	ND	0.333	"									
Cadmium	ND	0.556	"									
Selenium	ND	1.11	"									
Thallium	ND	1.11	"									

<b>LCS (BD41841-BS1)</b>		LCS		Prepared: 04/24/2024 Analyzed: 04/25/2024								
Antimony	50.1		ug/L	50.0	100	80-120						
Arsenic	52.5		"	50.0	105	80-120						
Beryllium	54.8		"	50.0	110	80-120						
Cadmium	51.1		"	50.0	102	80-120						
Selenium	48.1		"	50.0	96.3	80-120						
Thallium	49.4		"	50.0	98.8	80-120						

<b>Duplicate (BD41841-DUP1)</b>		Duplicate		*Source sample: 24D1250-02 (RIMW06_04182024)		Prepared: 04/24/2024 Analyzed: 04/25/2024					
Antimony	ND	1.11	ug/L	ND							20
Arsenic	28.4	1.11	"	29.3				3.22			20
Beryllium	ND	0.333	"	ND							20
Cadmium	ND	0.556	"	ND							20
Selenium	ND	1.11	"	8.26							20
Thallium	ND	1.11	"	ND							20

<b>Matrix Spike (BD41841-MS1)</b>		Matrix Spike		*Source sample: 24D1250-02 (RIMW06_04182024)		Prepared: 04/24/2024 Analyzed: 04/25/2024					
Antimony	57.2		ug/L	50.0	0.154	114	75-125				
Arsenic	82.4		"	50.0	26.4	112	75-125				
Beryllium	33.4		"	50.0	0.002	66.7	75-125	Low Bias			
Cadmium	56.6		"	50.0	-0.009	113	75-125				
Selenium	67.9		"	50.0	7.43	121	75-125				
Thallium	38.8		"	50.0	-0.032	77.6	75-125				



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

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

**Batch BD41934 - EPA 3015A**

**Blank (BD41934-BLK1)**      **Blank**      Prepared: 04/25/2024 Analyzed: 04/26/2024

Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	1.44	1.11	"								
Thallium - Dissolved	ND	1.11	"								

**LCS (BD41934-BS1)**      **LCS**      Prepared: 04/25/2024 Analyzed: 04/26/2024

Antimony - Dissolved	51.3		ug/L	50.0		103	80-120				
Arsenic - Dissolved	52.8		"	50.0		106	80-120				
Beryllium - Dissolved	48.9		"	50.0		97.8	80-120				
Cadmium - Dissolved	56.4		"	50.0		113	80-120				
Selenium - Dissolved	57.1		"	50.0		114	80-120				
Thallium - Dissolved	48.8		"	50.0		97.7	80-120				



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
									RPD	Limit
<b>Batch BD41627 - EPA SW846-7470A</b>										
<b>Blank (BD41627-BLK1)</b>	Blank								Prepared & Analyzed: 04/22/2024	
Mercury	ND	0.0002	mg/L							
<b>Blank (BD41627-BLK2)</b>	Blank								Prepared & Analyzed: 04/22/2024	
Mercury	ND	0.0002	mg/L							
<b>LCS (BD41627-BS1)</b>	LCS								Prepared & Analyzed: 04/22/2024	
Mercury	0.0019924	0.0002	mg/L	0.00200		99.6	80-120			
<b>LCS (BD41627-BS2)</b>	LCS								Prepared & Analyzed: 04/22/2024	
Mercury	0.0020510	0.0002	mg/L	0.00200		103	80-120			
<b>Batch BD41929 - EPA SW846-7470A</b>										
<b>Blank (BD41929-BLK1)</b>	Blank								Prepared & Analyzed: 04/25/2024	
Mercury - Dissolved	ND	0.0002	mg/L							
<b>Blank (BD41929-BLK2)</b>	Blank								Prepared & Analyzed: 04/25/2024	
Mercury - Dissolved	ND	0.0002	mg/L							
<b>LCS (BD41929-BS1)</b>	LCS								Prepared & Analyzed: 04/25/2024	
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120			
<b>LCS (BD41929-BS2)</b>	LCS								Prepared & Analyzed: 04/25/2024	
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		102	80-120			



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

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

**Batch BD41491 - Analysis Preparation**

<b>Blank (BD41491-BLK1)</b>	Blank												Prepared & Analyzed: 04/18/2024
Chromium, Hexavalent	ND	0.0100	mg/L										
<b>LCS (BD41491-BS1)</b>	LCS												Prepared & Analyzed: 04/18/2024
Chromium, Hexavalent	0.502	0.0100	mg/L	0.500		100		85-115					
<b>Duplicate (BD41491-DUP1)</b>	Duplicate	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/18/2024	
Chromium, Hexavalent	ND	0.0100	mg/L		ND							20	
<b>Matrix Spike (BD41491-MS1)</b>	Matrix Spike	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/18/2024	
Chromium, Hexavalent	0.467	0.0100	mg/L	0.500	ND	93.4		85-115					
<b>Matrix Spike Dup (BD41491-MS1-DUP)</b>	Matrix Spike Dup	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/18/2024	
Chromium, Hexavalent	0.467	0.0100	mg/L	0.500	ND	93.4		85-115		0.00		200	

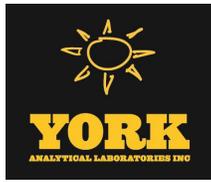
**Batch BD41539 - Analysis Preparation**

<b>Blank (BD41539-BLK1)</b>	Blank												Prepared & Analyzed: 04/19/2024
Chromium, Hexavalent	ND	0.0100	mg/L										
<b>LCS (BD41539-BS1)</b>	LCS												Prepared & Analyzed: 04/19/2024
Chromium, Hexavalent	0.492	0.0100	mg/L	0.500		98.4		85-115					
<b>Duplicate (BD41539-DUP1)</b>	Duplicate	*Source sample: 24D1250-02 (RIMW06_04182024)										Prepared & Analyzed: 04/19/2024	
Chromium, Hexavalent	ND	0.0100	mg/L		ND							20	
<b>Matrix Spike (BD41539-MS1)</b>	Matrix Spike	*Source sample: 24D1250-02 (RIMW06_04182024)										Prepared & Analyzed: 04/19/2024	
Chromium, Hexavalent	0.502	0.0100	mg/L	0.500	ND	100		85-115					



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41901 - Analysis Preparation</b>												
<b>Blank (BD41901-BLK1)</b>	Blank										Prepared & Analyzed: 04/25/2024	
Cyanide, total	ND	0.0100	mg/L									
<b>LCS (BD41901-BS1)</b>	LCS										Prepared & Analyzed: 04/25/2024	
Cyanide, total	0.0864	0.0100	mg/L	0.100		86.4	80-120					
<b>Duplicate (BD41901-DUP1)</b>	Duplicate	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/25/2024
Cyanide, total	ND	0.0100	mg/L		ND						15	
<b>Matrix Spike (BD41901-MS1)</b>	Matrix Spike	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/25/2024
Cyanide, total	0.104	0.0100	mg/L	0.100	ND	104	79-105					
<b>Matrix Spike Dup (BD41901-MS1-DUP)</b>	Matrix Spike Dup	*Source sample: 24D1250-01 (RIMW03_04182024)										Prepared & Analyzed: 04/25/2024
Cyanide, total	0.103	0.0100	mg/L	0.100	ND	103	79-105		0.966	200		



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24D1250-01	RIMW03_04182024	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1250-02	RIMW06_04182024	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1250-03	TB01_04182024	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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



**High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

**Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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





# Technical Report

prepared for:

## **Langan Engineering & Environmental Services (NYC)**

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

**Attention: Albert Tashji**

Report Date: 04/29/2024

**Client Project ID: 170758101**

York Project (SDG) No.: 24D1357

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
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RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 04/29/2024  
Client Project ID: 170758101  
York Project (SDG) No.: 24D1357

**Langan Engineering & Environmental Services (NYC)**  
21 Penn Plaza, 360 West 31st Street  
New York NY, 10001  
Attention: Albert Tashji

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 19, 2024 and listed below. The project was identified as your project: **170758101**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24D1357-01	RIMW02_041924	Ground Water	04/19/2024	04/19/2024
24D1357-02	RIMW07_041924	Ground Water	04/19/2024	04/19/2024
24D1357-03	RIMW04_041924	Ground Water	04/19/2024	04/19/2024
24D1357-04	RIMW05_041924	Ground Water	04/19/2024	04/19/2024
24D1357-05	RIMW01_041924	Ground Water	04/19/2024	04/19/2024
24D1357-06	FB01_041924	Ground Water	04/19/2024	04/19/2024
24D1357-07	TB02_041924	Water	04/19/2024	04/19/2024

## General Notes for York Project (SDG) No.: 24D1357

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

Approved By



Cassie L. Mosher  
Laboratory Manager

Date: 04/29/2024





### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.  
24D1357

Client Project ID  
170758101

Matrix  
Ground Water

Collection Date/Time  
April 19, 2024 9:35 am

Date Received  
04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02, CCVE	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
67-64-1	<b>Acetone</b>	<b>97.3</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
67-66-3	<b>Chloroform</b>	<b>0.800</b>		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

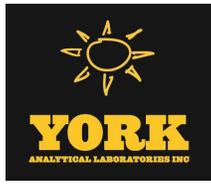
**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
87-68-3	Hexachlorobutadiene	ND	QL-02, CCVE	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
98-82-8	<b>Isopropylbenzene</b>	<b>1.93</b>		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
103-65-1	<b>n-Propylbenzene</b>	<b>2.27</b>		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 17:21	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 17:21	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:21	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:21	AC



Sample Information

Client Sample ID: RIMW02\_041924

York Sample ID: 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, etc.



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.52	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
98-86-2	Acetophenone	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
62-53-3	Aniline	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
100-52-7	Benzaldehyde	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
92-87-5	Benzidine	ND		ug/L	5.52	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
65-85-0	Benzoic acid	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.10	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

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24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
105-60-2	Caprolactam	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
86-74-8	Carbazole	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
132-64-9	Dibenzofuran	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
122-39-4	Diphenylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 08:03	04/26/2024 17:05	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.52	11.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
78-59-1	Isophorone	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
108-95-2	Phenol	ND		ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.76	5.52	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 17:05	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	8.52 %	S-08		19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	13.0 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	57.5 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	42.4 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	70.5 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.9 %			30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

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24D1357

170758101

Ground Water

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**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0773		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
120-12-7	Anthracene	0.475		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
1912-24-9	Atrazine	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
56-55-3	Benzo(a)anthracene	1.19		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
50-32-8	Benzo(a)pyrene	1.44		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
205-99-2	Benzo(b)fluoranthene	1.24	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
191-24-2	Benzo(g,h,i)perylene	1.79	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
207-08-9	Benzo(k)fluoranthene	1.65	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
117-81-7	Bis(2-ethylhexyl)phthalate	1.73	QL-02, ICVE	ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
218-01-9	Chrysene	1.77	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
53-70-3	Dibenzo(a,h)anthracene	2.43	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
206-44-0	Fluoranthene	0.674	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
86-73-7	Fluorene	0.0773		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0221	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
67-72-1	Hexachloroethane	ND		ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
193-39-5	Indeno(1,2,3-cd)pyrene	1.78	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
91-20-3	Naphthalene	0.420		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
98-95-3	Nitrobenzene	ND	ICVE	ug/L	0.276	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS
87-86-5	Pentachlorophenol	0.541	QL-02, ICVE	ug/L	0.276	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 08:03	04/26/2024 14:33	SS



### Sample Information

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170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.298		ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS
129-00-0	Pyrene	0.652	QL-02	ug/L	0.0552	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:03	04/26/2024 14:33	SS

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.576		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/23/2024 08:07	04/25/2024 14:39	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	43.8 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.449	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	31.8		ng/L	0.335	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	12.2	PF-CCV -L	ng/L	0.679	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.37		ng/L	0.650	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
335-67-1	Perfluorooctanoic acid (PFOA)	61.4		ng/L	0.402	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.784	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.67	J	ng/L	0.497	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.717	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.841	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.708	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.660	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.755	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.985	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>45.9</b>		ng/L	0.220	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.841	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.870	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>2.00</b>	J	ng/L	1.01	7.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.96	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.316	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.478	3.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:13	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.05	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:13	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.239	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:13	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.354	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:13	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>0.948</b>	J	ng/L	0.727	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.71	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.09	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.32	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.669	7.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
919005-14-4	ADONA	ND		ng/L	0.507	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.889	1.86	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.822	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:13	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.94	4.78	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.01	23.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.06	23.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.51	1.91	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.72	1.91	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:13	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	85.0 %	25-150
Surrogate: M5PFHxA	93.3 %	25-150
Surrogate: M4PFHpA	126 %	25-150
Surrogate: M3PFHxS	97.1 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	76.4 %	25-150
Surrogate: M6PFDA	74.6 %	25-150
Surrogate: M7PFUdA	74.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	42.1 %	25-150
Surrogate: M2PFTeDA	25.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	5.15 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	97.1 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	75.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	88.1 %	10-150
Surrogate: d3-N-MeFOSAA	70.6 %	25-150
Surrogate: d5-N-EtFOSAA	66.3 %	25-150
Surrogate: M2-6:2 FTS	300 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	104 %	25-200
Surrogate: M9PFNA	80.8 %	25-150
Surrogate: M2-4:2 FTS	462 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	47.2 %	25-150
Surrogate: d-N-EtFOSA	35.5 %	25-150
Surrogate: M3HFPO-DA	75.4 %	25-150
Surrogate: d9-N-EtFOSE	30.0 %	25-150
Surrogate: d7-N-MeFOSE	31.6 %	25-150



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170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:41	TAH



Sample Information

Client Sample ID: RIMW02\_041924

York Sample ID: 24D1357-01

York Project (SDG) No.

Client Project ID

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24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and Surrogate Recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016 through 1260 and Total PCBs, plus Surrogate Recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, plus Surrogate Recoveries.



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

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170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 105 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.106		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-39-3	Barium	0.301		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-70-2	Calcium	338		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7439-89-6	Iron	2.11	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7439-92-1	Lead	0.00738		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7439-95-4	Magnesium	65.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7439-96-5	Manganese	0.704		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-09-7	Potassium	83.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-23-5	Sodium	1240		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR
7440-66-6	Zinc	0.0310		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:12	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

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24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0651		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-39-3	Barium	0.307		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-70-2	Calcium	338		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-50-8	Copper	0.0451		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7439-89-6	Iron	1.81		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7439-95-4	Magnesium	68.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7439-96-5	Manganese	0.713		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-09-7	Potassium	84.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-23-5	Sodium	1250		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR
7440-66-6	Zinc	0.0438		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:37	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw
7440-38-2	Arsenic	5.15		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw



### Sample Information

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw
7782-49-2	Selenium	57.5	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:30	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw
7440-38-2	Arsenic	4.36		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw
7782-49-2	Selenium	51.4	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:38	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/29/2024 08:12	04/29/2024 08:12	PFA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0004		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW02\_041924

**York Sample ID:** 24D1357-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 9:35 am

04/19/2024

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 21:32	04/19/2024 22:21	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/29/2024 07:06	04/29/2024 12:19	VR
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
67-64-1	<b>Acetone</b>	<b>18.9</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-00-3	<b>Chloroethane</b>	<b>2.88</b>	CCVE, QL-02	ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.380</b>		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 17:46	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 17:46	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 17:46	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 17:46	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	126 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.2 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

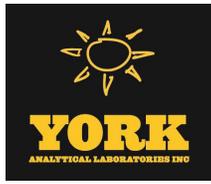
**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
65-85-0	Benzoic acid	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

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24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 07:57	04/25/2024 17:50	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 17:50	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	34.7 %	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	23.0 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	103 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.4 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	126 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.5 %	30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
120-12-7	<b>Anthracene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
206-44-0	<b>Fluoranthene</b>	<b>0.110</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
91-20-3	<b>Naphthalene</b>	<b>0.200</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:20	SS
98-95-3	Nitrobenzene	ND	ICVE	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:20	SS



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
85-01-8	Phenanthrene	0.100		ug/L	0.0500	1	EPA 8270D SIM	04/25/2024 07:57	04/25/2024 22:20	SS	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
129-00-0	Pyrene	0.0900		ug/L	0.0500	1	EPA 8270D SIM	04/25/2024 07:57	04/25/2024 22:20	SS	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	1.33		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/25/2024 14:57	SS	
							Certifications:	NJDEP-CT005,NELAC-NY10854			
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17647-74-4	Surrogate: 1,4-Dioxane-d8	47.5 %			36.6-118						

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.78		ng/L	0.439	1.65	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	28.0		ng/L	0.327	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.61	PF-CCV	ng/L	0.663	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
				-L							
							Certifications:	NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.14		ng/L	0.635	1.71	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
335-67-1	Perfluorooctanoic acid (PFOA)	32.0		ng/L	0.392	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	6.11		ng/L	0.766	1.74	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-95-1	Perfluorononanoic acid (PFNA)	8.08		ng/L	0.486	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.701	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.822	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.691	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.645	1.87	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 20:29	AM
							Certifications:	NJDEP-NY037			





### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.738	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
2991-50-6	N-EtFOSAA	2.12		ng/L	0.962	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	38.1		ng/L	0.215	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.822	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.850	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.990	7.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	7.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	15.5		ng/L	0.308	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.467	3.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:29	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.00	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:29	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.234	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:29	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.346	3.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:29	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.735	J	ng/L	0.710	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.02	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.654	6.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
919005-14-4	ADONA	ND		ng/L	0.495	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.869	1.81	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.803	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:29	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.90	4.67	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.85	23.4	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.85	23.4	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.73	18.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.87	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.73	18.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:29	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	87.5 %	25-150
Surrogate: M5PFHxA	100 %	25-150
Surrogate: M4PFHpA	147 %	25-150
Surrogate: M3PFHxS	95.0 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	85.8 %	25-150
Surrogate: M6PFDA	89.0 %	25-150
Surrogate: M7PFUdA	83.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	54.2 %	25-150
Surrogate: M2PFTeDA	35.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	47.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	95.6 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	99.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	89.0 %	10-150
Surrogate: d3-N-MeFOSAA	66.9 %	25-150
Surrogate: d5-N-EtFOSAA	60.2 %	25-150
Surrogate: M2-6:2 FTS	279 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	92.9 %	25-200
Surrogate: M9PFNA	98.0 %	25-150
Surrogate: M2-4:2 FTS	511 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	48.0 %	25-150
Surrogate: d-N-EtFOSA	30.7 %	25-150
Surrogate: M3HFPO-DA	96.5 %	25-150
Surrogate: d9-N-EtFOSE	20.0 %	PFSu-L 25-150
Surrogate: d7-N-MeFOSE	26.5 %	25-150



Sample Information

Client Sample ID: RIMW07\_041924

York Sample ID: 24D1357-02

York Project (SDG) No. 24D1357

Client Project ID 170758101

Matrix Ground Water

Collection Date/Time April 19, 2024 12:15 pm

Date Received 04/19/2024

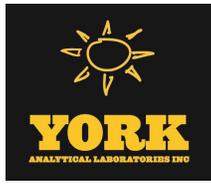
PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of data for various pesticides like DDD, DDE, DDT, Aldrin, etc.



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	04/22/2024 08:17	04/23/2024 05:59	TAH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	73.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.8 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:10	NF
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/22/2024 08:17	04/23/2024 04:10	NF
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:48	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:48	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:48	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 107 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0957		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-39-3	Barium	0.381		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-70-2	Calcium	172		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7439-89-6	Iron	22.3	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7439-92-1	Lead	0.0129		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7439-95-4	Magnesium	42.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7439-96-5	Manganese	0.899		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-09-7	Potassium	44.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-23-5	Sodium	733		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR
7440-66-6	Zinc	0.0282		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:21	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-39-3	Barium	0.382		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-70-2	Calcium	172		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-50-8	Copper	0.0352		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7439-89-6	Iron	24.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7439-92-1	Lead	0.00898		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7439-95-4	Magnesium	46.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7439-96-5	Manganese	0.897		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-09-7	Potassium	48.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-23-5	Sodium	785		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR
7440-66-6	Zinc	0.0412		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 13:40	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw
7440-38-2	Arsenic	5.85		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw



### Sample Information

Client Sample ID: RIMW07\_041924

York Sample ID: 24D1357-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 12:15 pm

04/19/2024

#### Metals, Target Analyte, ICPMS

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw
7782-49-2	Selenium	5.75	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:33	cw

#### Metals, Target Analyte, ICPMS Dissolved

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw
7440-38-2	Arsenic	5.76		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw
7782-49-2	Selenium	8.92	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:42	cw

#### Mercury by 7470/7471

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/29/2024 08:12	04/29/2024 08:12	PFA

#### Mercury, Dissolved

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW07\_041924

**York Sample ID:** 24D1357-02

York Project (SDG) No.  
24D1357

Client Project ID  
170758101

Matrix  
Ground Water

Collection Date/Time  
April 19, 2024 12:15 pm

Date Received  
04/19/2024

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 21:32	04/19/2024 22:21	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/29/2024 07:06	04/29/2024 12:19	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0190		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
67-64-1	<b>Acetone</b>	<b>3.36</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 18:11	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 18:11	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:11	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
127-18-4	<b>Tetrachloroethylene</b>	<b>0.940</b>	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:11	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	126 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.4 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
65-85-0	Benzoic acid	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 07:57	04/25/2024 18:28	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 18:28	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	26.9 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	25.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	117 %	S-08			50.2-113					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	132 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.6 %			30.7-106						

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
120-12-7	<b>Anthracene</b>	<b>0.190</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.170</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
91-20-3	<b>Naphthalene</b>	<b>0.0700</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
98-95-3	Nitrobenzene	ND	ICVE	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 22:50	SS



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.180		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 22:50	SS

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/23/2024 08:07	04/24/2024 20:53	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	49.3 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.95		ng/L	0.464	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	5.85		ng/L	0.345	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	8.54	PF-CCV	ng/L	0.701	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.11		ng/L	0.671	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
335-67-1	Perfluorooctanoic acid (PFOA)	51.8		ng/L	0.415	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.08		ng/L	0.809	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.50	J	ng/L	0.513	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.740	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.869	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.730	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.681	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

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Matrix

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24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.780	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>7.75</b>		ng/L	0.227	3.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.869	1.97	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.898	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.30	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.05	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.02	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>11.6</b>		ng/L	0.326	7.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.494	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:45	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.11	3.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:45	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.247	3.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:45	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.365	3.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 20:45	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.750	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.77	7.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.19	7.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.36	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.691	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
919005-14-4	ADONA	ND		ng/L	0.523	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.918	1.91	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.849	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 20:45	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.00	4.94	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.24	24.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.35	24.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.94	19.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.56	1.97	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.94	19.7	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.78	1.97	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 20:45	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	78.2 %	25-150
Surrogate: M5PFHxA	95.0 %	25-150
Surrogate: M4PFHpA	130 %	25-150
Surrogate: M3PFHxS	84.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	94.2 %	25-150
Surrogate: M6PFDA	89.2 %	25-150
Surrogate: M7PFUdA	90.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	70.2 %	25-150
Surrogate: M2PFTeDA	50.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	7.02 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	114 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	91.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	89.6 %	10-150
Surrogate: d3-N-MeFOSAA	67.4 %	25-150
Surrogate: d5-N-EtFOSAA	69.3 %	25-150
Surrogate: M2-6:2 FTS	446 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	127 %	25-200
Surrogate: M9PFNA	85.5 %	25-150
Surrogate: M2-4:2 FTS	471 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	60.0 %	25-150
Surrogate: d-N-EtFOSA	43.4 %	25-150
Surrogate: M3HFPO-DA	87.5 %	25-150
Surrogate: d9-N-EtFOSE	56.6 %	25-150
Surrogate: d7-N-MeFOSE	54.5 %	25-150



### Sample Information

**Client Sample ID:** RIMW04\_041924

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24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**PEST, 8081 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:17	TAH



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	04/22/2024 08:17	04/23/2024 06:17	TAH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	77.7 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	66.6 %			30-150					

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:23	NF
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/22/2024 08:17	04/23/2024 04:23	NF
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	65.5 %			30-120					

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:59	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:59	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 18:59	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 107 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.150		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-39-3	Barium	0.165		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-70-2	Calcium	195		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7439-89-6	Iron	0.968	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7439-92-1	Lead	0.0122		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7439-95-4	Magnesium	26.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7439-96-5	Manganese	1.00		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-09-7	Potassium	29.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-23-5	Sodium	367		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:25	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-39-3	Barium	0.589		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-70-2	Calcium	359	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-50-8	Copper	0.0320		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7439-89-6	Iron	0.279	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7439-95-4	Magnesium	53.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7439-96-5	Manganese	1.56		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-09-7	Potassium	68.5	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-23-5	Sodium	386		mg/L	27.8	50	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 17:49	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:07	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw
7440-38-2	Arsenic	2.14		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw



### Sample Information

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw
7782-49-2	Selenium	42.4	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:37	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw
7440-38-2	Arsenic	1.19		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw
7782-49-2	Selenium	36.1	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 16:45	cw

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/29/2024 08:12	04/29/2024 08:12	PFA

**Mercury, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW04\_041924

**York Sample ID:** 24D1357-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 2:32 pm

04/19/2024

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 21:32	04/19/2024 22:21	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/29/2024 07:06	04/29/2024 12:19	VR
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
67-64-1	<b>Acetone</b>	<b>4.23</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.680</b>		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 18:35	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 18:35	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 18:35	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 18:35	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	127 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.2 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			79-122						

**SVOA, 8270 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
65-85-0	Benzoic acid	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

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24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:02	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:02	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	19.0 %	S-08	19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	20.1 %		10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	94.3 %		50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.4 %		39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	115 %		39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.5 %		30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.590</b>	ICVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
206-44-0	<b>Fluoranthene</b>	<b>0.0800</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
91-20-3	<b>Naphthalene</b>	<b>0.250</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:21	SS
98-95-3	Nitrobenzene	ND	ICVE	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:21	SS



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

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Matrix

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24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.100		ug/L	0.0500	1	EPA 8270D SIM	04/25/2024 07:57	04/25/2024 23:21	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
129-00-0	Pyrene	0.0700		ug/L	0.0500	1	EPA 8270D SIM	04/25/2024 07:57	04/25/2024 23:21	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	1.54		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/24/2024 21:11	SS
							Certifications: NJDEP-CT005,NELAC-NY10854			
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	55.8 %					36.6-118			

**PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.00		ng/L	0.468	1.76	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	25.5		ng/L	0.348	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.60	PF-CCV -L	ng/L	0.706	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.37		ng/L	0.676	1.82	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-67-1	Perfluorooctanoic acid (PFOA)	34.3		ng/L	0.418	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	9.88		ng/L	0.816	1.85	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-95-1	Perfluorononanoic acid (PFNA)	6.21		ng/L	0.517	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.746	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.736	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.686	1.99	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:01	AM
								Certifications: NJDEP-NY037			





### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

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24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.786	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>32.0</b>		ng/L	0.229	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.905	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.05	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>15.2</b>		ng/L	0.328	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.497	3.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:01	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.13	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:01	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:01	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.368	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:01	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.756	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.21	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.37	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.696	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
919005-14-4	ADONA	ND		ng/L	0.527	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.925	1.93	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.856	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:01	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.97	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM



### Sample Information

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170758101

Ground Water

April 19, 2024 3:25 pm

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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.29	24.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.42	24.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.57	1.99	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:01	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	93.0 %	25-150
Surrogate: M5PFHxA	97.5 %	25-150
Surrogate: M4PFHpA	152 %	PFSu-H 25-150
Surrogate: M3PFHxS	100 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	79.7 %	25-150
Surrogate: M6PFDA	78.3 %	25-150
Surrogate: M7PFUdA	64.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	41.7 %	25-150
Surrogate: M2PFTeDA	23.3 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	15.6 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	97.3 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	96.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	84.2 %	10-150
Surrogate: d3-N-MeFOSAA	63.8 %	25-150
Surrogate: d5-N-EtFOSAA	51.4 %	25-150
Surrogate: M2-6:2 FTS	262 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	88.3 %	25-200
Surrogate: M9PFNA	85.7 %	25-150
Surrogate: M2-4:2 FTS	491 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	35.3 %	25-150
Surrogate: d-N-EtFOSA	31.4 %	25-150
Surrogate: M3HFPO-DA	89.5 %	25-150
Surrogate: d9-N-EtFOSE	29.5 %	25-150
Surrogate: d7-N-MeFOSE	34.2 %	25-150



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Ground Water

April 19, 2024 3:25 pm

04/19/2024

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

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Ground Water

April 19, 2024 3:25 pm

04/19/2024

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Chlordane, total and Surrogate Recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene.

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016 through 1260 and Surrogate Recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D, plus Surrogate Recoveries.



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 108 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.172		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-39-3	Barium	0.498		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-70-2	Calcium	216		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7439-89-6	Iron	21.8	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7439-92-1	Lead	0.0210		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7439-95-4	Magnesium	48.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7439-96-5	Manganese	1.59		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-09-7	Potassium	48.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-23-5	Sodium	747		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR
7440-66-6	Zinc	0.0291		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:28	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0629		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-39-3	Barium	0.483		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-70-2	Calcium	210	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-50-8	Copper	0.0267		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7439-89-6	Iron	22.4	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7439-95-4	Magnesium	51.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7439-96-5	Manganese	1.57		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-09-7	Potassium	52.9	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-23-5	Sodium	805	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR
7440-66-6	Zinc	0.0342		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:13	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:40	cw
7440-38-2	Arsenic	5.27		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:40	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 17:40	cw



Sample Information

Client Sample ID: RIMW05\_041924

York Sample ID: 24D1357-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Cadmium, Selenium, and Thallium.

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Antimony, Arsenic, Beryllium, Cadmium, Selenium, and Thallium.

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst.



### Sample Information

**Client Sample ID:** RIMW05\_041924

**York Sample ID:** 24D1357-04

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Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:25 pm

04/19/2024

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 21:32	04/19/2024 22:21	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/29/2024 07:06	04/29/2024 12:19	VR
Certifications:										

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0210		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/25/2024 10:00	04/25/2024 13:33	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

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24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
67-64-1	<b>Acetone</b>	<b>17.4</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
107-02-8	Acrolein	ND	CCVE, ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
74-83-9	<b>Bromomethane</b>	<b>0.350</b>	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-15-0	<b>Carbon disulfide</b>	<b>0.980</b>		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
74-87-3	<b>Chloromethane</b>	<b>20.5</b>		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
110-82-7	<b>Cyclohexane</b>	<b>1.25</b>	CCVE, ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
98-82-8	<b>Isopropylbenzene</b>	<b>0.950</b>		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
108-87-2	<b>Methylcyclohexane</b>	<b>2.89</b>		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
75-09-2	<b>Methylene chloride</b>	<b>1.55</b>		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
103-65-1	<b>n-Propylbenzene</b>	<b>0.710</b>		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/23/2024 10:00	04/23/2024 18:34	BMC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/23/2024 10:00	04/23/2024 18:34	BMC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
135-98-8	<b>sec-Butylbenzene</b>	<b>0.640</b>		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/23/2024 10:00	04/23/2024 18:34	BMC
98-06-6	<b>tert-Butylbenzene</b>	<b>0.450</b>		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/23/2024 10:00	04/23/2024 18:34	BMC



Sample Information

Client Sample ID: RIMW01\_041924

York Sample ID: 24D1357-05

York Project (SDG) No. 24D1357

Client Project ID 170758101

Matrix Ground Water

Collection Date/Time April 19, 2024 3:55 pm

Date Received 04/19/2024

VOA, 8260 LOW MASTER

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

SVOA, 8270 LOW MASTER

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol.



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
65-85-0	Benzoic acid	ND	CCVE, QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:55 pm	<u>Date Received</u> 04/19/2024
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**SVOA, 8270 LOW MASTER**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 07:57	04/25/2024 19:36	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 19:36	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	32.7 %			19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	23.1 %			10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	93.0 %			50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.2 %			39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	127 %			39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.2 %			30.7-106

**SVOA, 8270 SIM MASTER**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371					FAX (203) 357-0166		ClientServices@		



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>				
24D1357	170758101	Ground Water	April 19, 2024 3:55 pm	04/19/2024				
83-32-9	<b>Acenaphthene</b>	<b>0.270</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
208-96-8	<b>Acenaphthylene</b>	<b>0.0500</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
120-12-7	Anthracene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
1912-24-9	Atrazine	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0500</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
50-32-8	Benzo(a)pyrene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
205-99-2	Benzo(b)fluoranthene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
207-08-9	Benzo(k)fluoranthene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
218-01-9	Chrysene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
206-44-0	<b>Fluoranthene</b>	<b>0.240</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
86-73-7	<b>Fluorene</b>	<b>0.180</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
118-74-1	Hexachlorobenzene	ND	ug/L	0.0200 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
87-68-3	Hexachlorobutadiene	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
67-72-1	Hexachloroethane	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
91-20-3	<b>Naphthalene</b>	<b>0.150</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
98-95-3	Nitrobenzene	ND	ICVE ug/L	0.250 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
62-75-9	N-Nitrosodimethylamine	ND	ug/L	0.500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
87-86-5	Pentachlorophenol	ND	ug/L	0.250 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/25/2024 23:51	SS
85-01-8	<b>Phenanthrene</b>	<b>0.100</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS
129-00-0	<b>Pyrene</b>	<b>0.200</b>	ug/L	0.0500 1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 23:51	SS



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

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

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.480		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/24/2024 21:28	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>								
17647-74-4	Surrogate: 1,4-Dioxane-d8	47.6 %								
				<b>Acceptance Range</b>						
				36.6-118						

**PFAS, EPA 1633 Target List**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.50		ng/L	0.449	1.69	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	26.9		ng/L	0.335	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	10.5	PF-CCV	ng/L	0.679	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
			-L					Certifications: NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.89		ng/L	0.650	1.75	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-67-1	Perfluorooctanoic acid (PFOA)	92.5		ng/L	0.401	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.784	1.78	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-95-1	Perfluorononanoic acid (PFNA)	18.3		ng/L	0.497	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.717	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.841	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.707	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.660	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NJDEP-NY037			
2355-31-9	N-MeFOSAA	ND		ng/L	0.755	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
2991-50-6	N-EtFOSAA	ND		ng/L	0.985	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
2706-90-3	Perfluoropentanoic acid (PFPeA)	32.3		ng/L	0.220	3.82	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NELAC-NY12058,NJDEP-NY037			
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.841	1.91	1	EPA 1633 Draft 3	04/24/2024 12:44	04/26/2024 21:17	AM
								Certifications: NJDEP-NY037			



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**PFAS, EPA 1633 Target List**

Log-in Notes:

PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.870	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>2.01</b>	J	ng/L	1.01	7.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.96	7.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.315	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.478	3.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:17	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.05	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:17	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.239	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:17	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.354	3.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 21:17	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.727	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.71	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.09	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.32	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.669	7.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
919005-14-4	ADONA	ND		ng/L	0.507	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.889	1.85	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.822	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 21:17	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.94	4.78	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
914637-49-3	<b>* 3-Perfluoropentyl propanoic acid (FPePA)</b>	<b>14.9</b>	J	ng/L	7.01	23.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.05	23.9	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.81	19.1	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.51	1.91	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM



**Sample Information**

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.  
24D1357

Client Project ID  
170758101

Matrix  
Ground Water

Collection Date/Time  
April 19, 2024 3:55 pm

Date Received  
04/19/2024

**PFAS, EPA 1633 Target List**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	3.81	19.1	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.72	1.91	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 21:17	AM

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	92.9 %	25-150
Surrogate: M5PFHxA	109 %	25-150
Surrogate: M4PFHpA	142 %	25-150
Surrogate: M3PFHxS	104 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	84.6 %	25-150
Surrogate: M6PFDA	85.9 %	25-150
Surrogate: M7PFUdA	65.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	45.3 %	25-150
Surrogate: M2PFTeDA	29.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	6.49 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	93.0 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	90.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	82.6 %	10-150
Surrogate: d3-N-MeFOSAA	61.0 %	25-150
Surrogate: d5-N-EtFOSAA	54.5 %	25-150
Surrogate: M2-6:2 FTS	364 %	PFSu-H 25-200
Surrogate: M2-8:2 FTS	90.9 %	25-200
Surrogate: M9PFNA	95.0 %	25-150
Surrogate: M2-4:2 FTS	523 %	PFSu-H 25-150
Surrogate: d-N-MeFOSA	37.1 %	25-150
Surrogate: d-N-EtFOSA	22.9 %	PFSu-L 25-150
Surrogate: M3HFPO-DA	100 %	25-150
Surrogate: d9-N-EtFOSE	34.1 %	25-150
Surrogate: d7-N-MeFOSE	35.9 %	25-150



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:55 pm	<u>Date Received</u> 04/19/2024
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**PEST, 8081 MASTER**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 06:53	TAH



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**PEST, 8081 MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	04/22/2024 08:17	04/23/2024 06:53	TAH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	72.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %	30-150							

**PCB, 8082 MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 04:51	NF
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/22/2024 08:17	04/23/2024 04:51	NF
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-120							

**HERB, 8151 MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:21	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:21	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:21	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 95.8 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.207		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-39-3	Barium	0.889		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-70-2	Calcium	358		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7439-89-6	Iron	33.9	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7439-92-1	Lead	0.0207		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7439-95-4	Magnesium	54.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7439-96-5	Manganese	1.59		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-09-7	Potassium	67.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-23-5	Sodium	1670		mg/L	5.56	10	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/29/2024 15:10	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR
7440-66-6	Zinc	0.0312		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:31	AGNR

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:55 pm

04/19/2024

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-39-3	Barium	0.176		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-70-2	Calcium	185	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-50-8	Copper	0.0239		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7439-89-6	Iron	0.813	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7439-95-4	Magnesium	29.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7439-96-5	Manganese	1.05		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-09-7	Potassium	34.5	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-23-5	Sodium	442	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR
7440-66-6	Zinc	0.0298		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:49	04/26/2024 14:16	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw
7440-38-2	Arsenic	5.34	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw



### Sample Information

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:55 pm	<u>Date Received</u> 04/19/2024
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**Metals, Target Analyte, ICPMS**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw
7782-49-2	Selenium	22.7	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw
7440-28-0	Thallium	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:09	04/26/2024 18:01	cw

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw
7440-38-2	Arsenic	1.19		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw
7440-41-7	Beryllium	ND	M-CCV 1	ug/L	0.333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw
7782-49-2	Selenium	14.0	M-CCV 1, B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:53	04/26/2024 17:09	cw

**Mercury by 7470/7471**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/29/2024 08:12	04/29/2024 08:12	PFA

**Mercury, Dissolved**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 08:40	04/25/2024 08:40	PFA

**Chromium, Hexavalent**

**Log-in Notes:** PRES

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

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

**Client Sample ID:** RIMW01\_041924

**York Sample ID:** 24D1357-05

York Project (SDG) No.  
24D1357

Client Project ID  
170758101

Matrix  
Ground Water

Collection Date/Time  
April 19, 2024 3:55 pm

Date Received  
04/19/2024

**Chromium, Hexavalent**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/19/2024 21:32	04/19/2024 22:21	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Chromium, Trivalent**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	04/29/2024 07:06	04/29/2024 12:19	VR
Certifications:										

**Cyanide, Total**

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0120		mg/L	0.0100	1	SM 4500 CN C-2016 / E-2016	04/26/2024 07:22	04/26/2024 15:32	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
75-27-4	<b>Bromodichloromethane</b>	<b>0.720</b>		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
67-66-3	<b>Chloroform</b>	<b>8.72</b>		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 14:29	AC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/22/2024 09:00	04/22/2024 14:29	AC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:29	AC
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:29	AC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	119 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			79-122						

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
92-87-5	Benzidine	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
65-85-0	Benzoic acid	ND	QL-02, CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**SVOA, 8270 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	04/25/2024 07:57	04/25/2024 20:17	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS
110-86-1	Pyridine	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/25/2024 20:17	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	20.2 %			19.7-63.1
13127-88-3	Surrogate: SURR: Phenol-d6	22.1 %			10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	118 %	S-08		50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	91.7 %			39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	139 %			39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	108 %	S-08		30.7-106

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

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

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.57</b>	ICVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
91-20-3	<b>Naphthalene</b>	<b>0.220</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
98-95-3	Nitrobenzene	ND	ICVE	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	04/25/2024 07:57	04/26/2024 00:21	SS



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**SVOA, 8270 SIM MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.0700		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/25/2024 07:57	04/26/2024 00:21	SS

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/23/2024 08:07	04/24/2024 21:46	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	55.2 %					36.6-118			

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.437	1.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.325	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV	ng/L	0.660	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.632	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.390	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.762	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.483	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.697	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.818	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.687	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.641	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.734	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.957	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.214	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.818	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.845	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.985	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.90	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.307	7.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.465	3.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 22:05	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.99	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 22:05	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.232	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 22:05	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.344	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/24/2024 12:44	04/26/2024 22:05	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.706	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.66	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.00	7.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.28	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.650	6.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
919005-14-4	ADONA	ND		ng/L	0.492	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.864	1.80	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.799	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/24/2024 12:44	04/26/2024 22:05	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.65	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.81	23.2	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.80	23.2	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.71	18.6	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.86	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.71	18.6	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.67	1.86	1	EPA 1633 Draft 3 Certifications:	04/24/2024 12:44	04/26/2024 22:05	AM

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	84.2 %	25-150
Surrogate: M5PFHxA	81.7 %	25-150
Surrogate: M4PFHpA	148 %	25-150
Surrogate: M3PFHxS	101 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	79.7 %	25-150
Surrogate: M6PFDA	83.4 %	25-150
Surrogate: M7PFUdA	77.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	50.2 %	25-150
Surrogate: M2PFTeDA	43.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	1.00 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	92.3 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	29.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	89.2 %	10-150
Surrogate: d3-N-MeFOSAA	86.6 %	25-150
Surrogate: d5-N-EtFOSAA	73.7 %	25-150
Surrogate: M2-6:2 FTS	166 %	25-200
Surrogate: M2-8:2 FTS	102 %	25-200
Surrogate: M9PFNA	89.5 %	25-150
Surrogate: M2-4:2 FTS	172 %	25-150
Surrogate: d-N-MeFOSA	69.1 %	25-150
Surrogate: d-N-EtFOSA	59.5 %	25-150
Surrogate: M3HFPO-DA	88.2 %	25-150
Surrogate: d9-N-EtFOSE	60.8 %	25-150
Surrogate: d7-N-MeFOSE	54.7 %	25-150



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 07:11	TAH



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**PEST, 8081 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	04/22/2024 08:17	04/23/2024 07:11	TAH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	121 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.2 %	30-150							

**PCB, 8082 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	04/22/2024 08:17	04/23/2024 05:05	NF
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/22/2024 08:17	04/23/2024 05:05	NF
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	107 %	30-120							

**HERB, 8151 MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:31	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:31	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/22/2024 12:18	04/24/2024 19:31	BCJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** FB01\_041924

**York Sample ID:** 24D1357-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Ground Water

April 19, 2024 3:00 pm

04/19/2024

**HERB, 8151 MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 101 %				30-150					

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

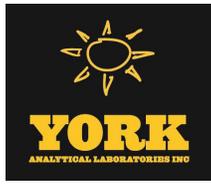
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-70-2	<b>Calcium</b>	<b>0.127</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7439-89-6	Iron	ND	M-CCV 1	mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7439-92-1	<b>Lead</b>	<b>0.00619</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-09-7	<b>Potassium</b>	<b>0.0584</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-23-5	<b>Sodium</b>	<b>1.22</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 08:06	04/26/2024 17:34	AGNR

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**



Sample Information

Client Sample ID: FB01\_041924

York Sample ID: 24D1357-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Sample Prepared by Method: EPA 3015A

Main data table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table for Mercury analysis with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table for Chromium, Hexavalent analysis with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table for Chromium, Trivalent analysis with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table for Cyanide, Total analysis with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** TB02\_041924

**York Sample ID:** 24D1357-07

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE, QL-02	ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC



### Sample Information

**Client Sample ID:** TB02\_041924

**York Sample ID:** 24D1357-07

<u>York Project (SDG) No.</u> 24D1357	<u>Client Project ID</u> 170758101	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 19, 2024 3:00 pm	<u>Date Received</u> 04/19/2024
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
67-64-1	<b>Acetone</b>	<b>2.99</b>		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
107-02-8	Acrolein	ND	ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
75-25-2	Bromoform	ND	QL-02	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/22/2024 09:00	04/22/2024 14:04	AC



Sample Information

Client Sample ID: TB02\_041924

York Sample ID: 24D1357-07

York Project (SDG) No. 24D1357

Client Project ID 170758101

Matrix Water

Collection Date/Time April 19, 2024 3:00 pm

Date Received 04/19/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, Methyl tert-butyl ether (MTBE), Methylcyclohexane, Methylene chloride (2.37), n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butyl alcohol (TBA), tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane.



### Sample Information

**Client Sample ID:** TB02\_041924

**York Sample ID:** 24D1357-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1357

170758101

Water

April 19, 2024 3:00 pm

04/19/2024

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/22/2024 09:00	04/22/2024 14:04	AC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	118 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	79-122								



## Analytical Batch Summary

**Batch ID:** BD41580      **Preparation Method:** Analysis Preparation      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/19/24
24D1357-02	RIMW07_041924	04/19/24
24D1357-03	RIMW04_041924	04/19/24
24D1357-04	RIMW05_041924	04/19/24
24D1357-05	RIMW01_041924	04/19/24
24D1357-06	FB01_041924	04/19/24
BD41580-BLK1	Blank	04/19/24
BD41580-BS1	LCS	04/19/24
BD41580-DUP1	Duplicate	04/19/24
BD41580-MS1	Matrix Spike	04/19/24
BD41580-MSD1	Matrix Spike Dup	04/19/24

**Batch ID:** BD41623      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** YL

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/22/24
24D1357-01	RIMW02_041924	04/22/24
24D1357-02	RIMW07_041924	04/22/24
24D1357-02	RIMW07_041924	04/22/24
24D1357-03	RIMW04_041924	04/22/24
24D1357-03	RIMW04_041924	04/22/24
24D1357-04	RIMW05_041924	04/22/24
24D1357-04	RIMW05_041924	04/22/24
24D1357-05	RIMW01_041924	04/22/24
24D1357-05	RIMW01_041924	04/22/24
24D1357-06	FB01_041924	04/22/24
24D1357-06	FB01_041924	04/22/24
BD41623-BLK1	Blank	04/22/24
BD41623-BLK2	Blank	04/22/24
BD41623-BS1	LCS	04/22/24
BD41623-BS2	LCS	04/22/24
BD41623-BSD1	LCS Dup	04/22/24
BD41623-BSD2	LCS Dup	04/22/24

**Batch ID:** BD41670      **Preparation Method:** EPA 8151A      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/22/24
24D1357-02	RIMW07_041924	04/22/24
24D1357-03	RIMW04_041924	04/22/24
24D1357-04	RIMW05_041924	04/22/24
24D1357-05	RIMW01_041924	04/22/24
24D1357-06	FB01_041924	04/22/24
BD41670-BLK1	Blank	04/22/24
BD41670-BS1	LCS	04/22/24



BD41670-BSD1 LCS Dup 04/22/24

Batch ID: BD41733 Preparation Method: EPA 3535A Prepared By: THD

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01 to 24D1357-06, BD41733-BLK1, BD41733-BS1, BD41733-MS1, and BD41733-MSD1.

Batch ID: BD41797 Preparation Method: EPA 5030B Prepared By: AC

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01 to 24D1357-07, BD41797-BLK1, BD41797-BS1, and BD41797-BSD1.

Batch ID: BD41798 Preparation Method: EPA 5030B Prepared By: AC

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-05, BD41798-BLK1, BD41798-BS1, and BD41798-BSD1.

Batch ID: BD41878 Preparation Method: EPA 1633 Prep Prepared By: K H

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01 to 24D1357-06, BD41878-BLK1, BD41878-BS1, and BD41878-BS2.



BD41878-DUP1 Duplicate 04/24/24

Batch ID: BD41901 Preparation Method: Analysis Preparation Prepared By: PMB

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01 to 24D1357-05, BD41901-BLK1, BD41901-BS1, BD41901-DUP1, BD41901-MS1, BD41901-MSD1.

Batch ID: BD41914 Preparation Method: EPA 3510C Prepared By: JM

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-02 to 24D1357-06, BD41914-BLK1, BD41914-BLK2, BD41914-BS1, BD41914-BS2, BD41914-BSD1.

Batch ID: BD41915 Preparation Method: EPA 3510C Prepared By: JM

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01, BD41915-BLK1, BD41915-BLK2, BD41915-BS1, BD41915-BS2, BD41915-MS1, BD41915-MSD1.

Batch ID: BD41929 Preparation Method: EPA SW846-7470A Prepared By: PFA

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 24D1357-01 to 24D1357-05, BD41929-BLK1.



BD41929-BLK2	Blank	04/25/24
BD41929-BS1	LCS	04/25/24
BD41929-BS2	LCS	04/25/24

**Batch ID:** BD41933      **Preparation Method:** EPA 3015A      **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/25/24
24D1357-02	RIMW07_041924	04/25/24
24D1357-03	RIMW04_041924	04/25/24
24D1357-03RE1	RIMW04_041924	04/25/24
24D1357-04	RIMW05_041924	04/25/24
24D1357-05	RIMW01_041924	04/25/24
BD41933-BLK1	Blank	04/25/24
BD41933-BS1	LCS	04/25/24
BD41933-DUP1	Duplicate	04/25/24
BD41933-MS1	Matrix Spike	04/25/24
BD41933-PS1	Post Spike	04/25/24

**Batch ID:** BD41934      **Preparation Method:** EPA 3015A      **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/25/24
24D1357-02	RIMW07_041924	04/25/24
24D1357-03	RIMW04_041924	04/25/24
24D1357-04	RIMW05_041924	04/25/24
24D1357-05	RIMW01_041924	04/25/24
BD41934-BLK1	Blank	04/25/24
BD41934-BS1	LCS	04/25/24
BD41934-DUP1	Duplicate	04/25/24
BD41934-MS1	Matrix Spike	04/25/24

**Batch ID:** BD41992      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-05	RIMW01_041924	04/26/24
24D1357-06	FB01_041924	04/26/24
BD41992-BLK1	Blank	04/26/24
BD41992-BS1	LCS	04/26/24
BD41992-DUP1	Duplicate	04/26/24
BD41992-MS1	Matrix Spike	04/26/24
BD41992-MSD1	Matrix Spike Dup	04/26/24

**Batch ID:** BD42007      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/26/24
24D1357-02	RIMW07_041924	04/26/24
24D1357-03	RIMW04_041924	04/26/24



24D1357-04	RIMW05_041924	04/26/24
24D1357-05	RIMW01_041924	04/26/24
24D1357-05RE1	RIMW01_041924	04/26/24
24D1357-06	FB01_041924	04/26/24
BD42007-BLK1	Blank	04/26/24
BD42007-BS1	LCS	04/26/24
BD42007-DUP1	Duplicate	04/26/24
BD42007-MS1	Matrix Spike	04/26/24
BD42007-PS1	Post Spike	04/26/24

**Batch ID:** BD42011      **Preparation Method:** EPA 3015A      **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/26/24
24D1357-02	RIMW07_041924	04/26/24
24D1357-03	RIMW04_041924	04/26/24
24D1357-04	RIMW05_041924	04/26/24
24D1357-05	RIMW01_041924	04/26/24
24D1357-06	FB01_041924	04/26/24
BD42011-BLK1	Blank	04/26/24
BD42011-BS1	LCS	04/26/24
BD42011-DUP1	Duplicate	04/26/24
BD42011-MS1	Matrix Spike	04/26/24

**Batch ID:** BD42102      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/29/24
24D1357-02	RIMW07_041924	04/29/24
24D1357-03	RIMW04_041924	04/29/24
24D1357-04	RIMW05_041924	04/29/24
24D1357-05	RIMW01_041924	04/29/24
24D1357-06	FB01_041924	04/29/24

**Batch ID:** BD42127      **Preparation Method:** EPA SW846-7470A      **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
24D1357-01	RIMW02_041924	04/29/24
24D1357-02	RIMW07_041924	04/29/24
24D1357-03	RIMW04_041924	04/29/24
24D1357-04	RIMW05_041924	04/29/24
24D1357-05	RIMW01_041924	04/29/24
24D1357-06	FB01_041924	04/29/24
BD42127-BLK1	Blank	04/29/24
BD42127-BLK2	Blank	04/29/24
BD42127-BS1	LCS	04/29/24
BD42127-BS2	LCS	04/29/24



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41797 - EPA 5030B**

Blank (BD41797-BLK1)	Blank	Prepared & Analyzed: 04/22/2024									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41797 - EPA 5030B**

<b>Blank (BD41797-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 04/22/2024							
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</i>	<i>69-130</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>79-122</i>				

<b>LCS (BD41797-BS1)</b>		<b>LCS</b>		Prepared & Analyzed: 04/22/2024							
1,1,1,2-Tetrachloroethane	9.65		ug/L	10.0		96.5	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	8.68		"	10.0		86.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.88		"	10.0		88.8	54-165				
1,1,2-Trichloroethane	8.49		"	10.0		84.9	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	11.2		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	6.27		"	10.0		62.7	76-136	Low Bias			
1,2,3-Trichloropropane	8.86		"	10.0		88.6	77-128				
1,2,4-Trichlorobenzene	6.73		"	10.0		67.3	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.97		"	10.0		89.7	45-147				
1,2-Dibromoethane	8.23		"	10.0		82.3	83-124	Low Bias			
1,2-Dichlorobenzene	8.50		"	10.0		85.0	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	8.96		"	10.0		89.6	86-122				
1,4-Dichlorobenzene	8.70		"	10.0		87.0	85-124				
1,4-Dioxane	178		"	210		84.6	10-349				
2-Butanone	8.40		"	10.0		84.0	49-152				
2-Hexanone	8.29		"	10.0		82.9	51-146				
4-Methyl-2-pentanone	7.85		"	10.0		78.5	57-145				
Acetone	9.45		"	10.0		94.5	14-150				
Acrolein	3.77		"	10.0		37.7	10-153				
Acrylonitrile	8.06		"	10.0		80.6	51-150				
Benzene	10.2		"	10.0		102	85-126				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.93		"	10.0		99.3	79-128				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41797 - EPA 5030B</b>											
<b>LCS (BD41797-BS1)</b>	<b>LCS</b>								Prepared & Analyzed: 04/22/2024		
Bromoform	6.81		ug/L	10.0		68.1	78-133	Low Bias			
Bromomethane	9.77		"	10.0		97.7	43-168				
Carbon disulfide	10.3		"	10.0		103	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.62		"	10.0		96.2	88-120				
Chloroethane	16.0		"	10.0		160	65-136	High Bias			
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	15.1		"	10.0		151	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.56		"	10.0		95.6	80-131				
Cyclohexane	4.81		"	10.0		48.1	63-149	Low Bias			
Dibromochloromethane	8.86		"	10.0		88.6	80-130				
Dibromomethane	8.46		"	10.0		84.6	72-134				
Dichlorodifluoromethane	8.93		"	10.0		89.3	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	6.84		"	10.0		68.4	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	8.53		"	10.0		85.3	51-139				
Methyl tert-butyl ether (MTBE)	8.78		"	10.0		87.8	76-135				
Methylcyclohexane	9.29		"	10.0		92.9	72-143				
Methylene chloride	10.6		"	10.0		106	55-137				
n-Butylbenzene	10.3		"	10.0		103	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	22.4		"	20.0		112	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.0		"	10.0		100	79-137				
Styrene	9.74		"	10.0		97.4	67-132				
tert-Butyl alcohol (TBA)	32.2		"	50.0		64.5	25-162				
tert-Butylbenzene	8.94		"	10.0		89.4	77-138				
Tetrachloroethylene	8.65		"	10.0		86.5	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	14.3		"	10.0		143	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41797 - EPA 5030B</b>											
LCS Dup (BD41797-BSD1)	LCS Dup		Prepared & Analyzed: 04/22/2024								
1,1,1,2-Tetrachloroethane	9.74		ug/L	10.0		97.4	82-126		0.928	30	
1,1,1-Trichloroethane	9.96		"	10.0		99.6	78-136		5.37	30	
1,1,2,2-Tetrachloroethane	9.88		"	10.0		98.8	76-129		12.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.30		"	10.0		83.0	54-165		6.75	30	
1,1,2-Trichloroethane	9.56		"	10.0		95.6	82-123		11.9	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		2.98	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		7.30	30	
1,2,3-Trichlorobenzene	6.98		"	10.0		69.8	76-136	Low Bias	10.7	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		12.6	30	
1,2,4-Trichlorobenzene	7.50		"	10.0		75.0	76-137	Low Bias	10.8	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		4.96	30	
1,2-Dibromo-3-chloropropane	9.79		"	10.0		97.9	45-147		8.74	30	
1,2-Dibromoethane	9.29		"	10.0		92.9	83-124		12.1	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123		3.70	30	
1,2-Dichloroethane	11.4		"	10.0		114	73-132		6.17	30	
1,2-Dichloropropane	10.3		"	10.0		103	78-126		2.77	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		8.03	30	
1,3-Dichlorobenzene	8.89		"	10.0		88.9	86-122		0.784	30	
1,4-Dichlorobenzene	8.76		"	10.0		87.6	85-124		0.687	30	
1,4-Dioxane	255		"	210		121	10-349		35.5	30	Non-dir.
2-Butanone	9.71		"	10.0		97.1	49-152		14.5	30	
2-Hexanone	10.6		"	10.0		106	51-146		24.2	30	
4-Methyl-2-pentanone	9.83		"	10.0		98.3	57-145		22.4	30	
Acetone	10.9		"	10.0		109	14-150		14.3	30	
Acrolein	4.10		"	10.0		41.0	10-153		8.39	30	
Acrylonitrile	9.49		"	10.0		94.9	51-150		16.3	30	
Benzene	9.75		"	10.0		97.5	85-126		4.02	30	
Bromochloromethane	10.7		"	10.0		107	77-128		4.77	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		0.702	30	
Bromoform	8.04		"	10.0		80.4	78-133		16.6	30	
Bromomethane	9.26		"	10.0		92.6	43-168		5.36	30	
Carbon disulfide	9.54		"	10.0		95.4	68-146		7.66	30	
Carbon tetrachloride	9.70		"	10.0		97.0	77-141		6.77	30	
Chlorobenzene	9.49		"	10.0		94.9	88-120		1.36	30	
Chloroethane	14.8		"	10.0		148	65-136	High Bias	7.52	30	
Chloroform	10.0		"	10.0		100	82-128		2.27	30	
Chloromethane	14.0		"	10.0		140	43-155		7.79	30	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129		2.39	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131		4.90	30	
Cyclohexane	4.51		"	10.0		45.1	63-149	Low Bias	6.44	30	
Dibromochloromethane	9.48		"	10.0		94.8	80-130		6.76	30	
Dibromomethane	9.53		"	10.0		95.3	72-134		11.9	30	
Dichlorodifluoromethane	8.22		"	10.0		82.2	44-144		8.28	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		3.89	30	
Hexachlorobutadiene	6.53		"	10.0		65.3	67-146	Low Bias	4.64	30	
Isopropylbenzene	10.1		"	10.0		101	76-140		7.96	30	
Methyl acetate	10.5		"	10.0		105	51-139		21.1	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135		15.4	30	
Methylcyclohexane	8.74		"	10.0		87.4	72-143		6.10	30	
Methylene chloride	10.6		"	10.0		106	55-137		0.755	30	
n-Butylbenzene	9.72		"	10.0		97.2	79-132		5.50	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41797 - EPA 5030B</b>											
<b>LCS Dup (BD41797-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 04/22/2024									
n-Propylbenzene	10.2		ug/L	10.0		102	78-133		7.37	30	
o-Xylene	10.5		"	10.0		105	78-130		2.08	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		4.15	30	
p-Isopropyltoluene	9.85		"	10.0		98.5	81-136		5.62	30	
sec-Butylbenzene	9.39		"	10.0		93.9	79-137		6.59	30	
Styrene	9.80		"	10.0		98.0	67-132		0.614	30	
tert-Butyl alcohol (TBA)	42.3		"	50.0		84.6	25-162		27.0	30	
tert-Butylbenzene	8.37		"	10.0		83.7	77-138		6.59	30	
Tetrachloroethylene	8.17		"	10.0		81.7	82-131	Low Bias	5.71	30	
Toluene	10.2		"	10.0		102	80-127		3.68	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		4.27	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		9.07	30	
Trichloroethylene	9.58		"	10.0		95.8	82-128		4.69	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		6.66	30	
Vinyl Chloride	13.3		"	10.0		133	58-145		6.96	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.0		"	10.0		110	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.1		"	10.0		111	79-122				

<b>Batch BD41798 - EPA 5030B</b>											
<b>Blank (BD41798-BLK1)</b>	<b>Blank</b>	Prepared & Analyzed: 04/23/2024									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41798 - EPA 5030B**

**Blank (BD41798-BLK1)      Blank** Prepared & Analyzed: 04/23/2024

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	9.36		"	10.0		93.6	69-130				
Surrogate: SURRE: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	11.1		"	10.0		111	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41798 - EPA 5030B</b>											
<b>LCS (BD41798-BS1)</b>	<b>LCS</b>										Prepared & Analyzed: 04/23/2024
1,1,1,2-Tetrachloroethane	8.92		ug/L	10.0		89.2	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.17		"	10.0		91.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.59		"	10.0		95.9	54-165				
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123				
1,1-Dichloroethane	10.8		"	10.0		108	82-129				
1,1-Dichloroethylene	11.5		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	5.98		"	10.0		59.8	76-136	Low Bias			
1,2,3-Trichloropropane	8.46		"	10.0		84.6	77-128				
1,2,4-Trichlorobenzene	6.93		"	10.0		69.3	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.7		"	10.0		117	82-132				
1,2-Dibromo-3-chloropropane	9.18		"	10.0		91.8	45-147				
1,2-Dibromoethane	7.87		"	10.0		78.7	83-124	Low Bias			
1,2-Dichlorobenzene	8.67		"	10.0		86.7	79-123				
1,2-Dichloroethane	9.50		"	10.0		95.0	73-132				
1,2-Dichloropropane	11.4		"	10.0		114	78-126				
1,3,5-Trimethylbenzene	11.8		"	10.0		118	80-131				
1,3-Dichlorobenzene	9.26		"	10.0		92.6	86-122				
1,4-Dichlorobenzene	8.95		"	10.0		89.5	85-124				
1,4-Dioxane	197		"	210		93.9	10-349				
2-Butanone	7.70		"	10.0		77.0	49-152				
2-Hexanone	8.80		"	10.0		88.0	51-146				
4-Methyl-2-pentanone	8.28		"	10.0		82.8	57-145				
Acetone	7.89		"	10.0		78.9	14-150				
Acrolein	1.72		"	10.0		17.2	10-153				
Acrylonitrile	7.41		"	10.0		74.1	51-150				
Benzene	10.8		"	10.0		108	85-126				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	9.33		"	10.0		93.3	79-128				
Bromoform	6.78		"	10.0		67.8	78-133	Low Bias			
Bromomethane	9.32		"	10.0		93.2	43-168				
Carbon disulfide	11.2		"	10.0		112	68-146				
Carbon tetrachloride	9.85		"	10.0		98.5	77-141				
Chlorobenzene	9.74		"	10.0		97.4	88-120				
Chloroethane	14.1		"	10.0		141	65-136	High Bias			
Chloroform	9.86		"	10.0		98.6	82-128				
Chloromethane	14.0		"	10.0		140	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.56		"	10.0		95.6	80-131				
Cyclohexane	5.97		"	10.0		59.7	63-149	Low Bias			
Dibromochloromethane	8.11		"	10.0		81.1	80-130				
Dibromomethane	8.16		"	10.0		81.6	72-134				
Dichlorodifluoromethane	7.51		"	10.0		75.1	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	6.68		"	10.0		66.8	67-146	Low Bias			
Isopropylbenzene	11.8		"	10.0		118	76-140				
Methyl acetate	8.18		"	10.0		81.8	51-139				
Methyl tert-butyl ether (MTBE)	8.37		"	10.0		83.7	76-135				
Methylcyclohexane	11.3		"	10.0		113	72-143				
Methylene chloride	11.2		"	10.0		112	55-137				
n-Butylbenzene	11.0		"	10.0		110	79-132				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41798 - EPA 5030B**

LCS (BD41798-BS1)	LCS	Prepared & Analyzed: 04/23/2024									
n-Propylbenzene	12.0		ug/L	10.0		120	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	22.0		"	20.0		110	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	9.86		"	10.0		98.6	67-132				
tert-Butyl alcohol (TBA)	24.2		"	50.0		48.4	25-162				
tert-Butylbenzene	9.51		"	10.0		95.1	77-138				
Tetrachloroethylene	8.98		"	10.0		89.8	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.35		"	10.0		93.5	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	14.5		"	10.0		145	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.79		"	10.0		87.9	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.6		"	10.0		116	79-122				

LCS Dup (BD41798-BS1)	LCS Dup	Prepared & Analyzed: 04/23/2024									
1,1,1,2-Tetrachloroethane	8.96		ug/L	10.0		89.6	82-126		0.447	30	
1,1,1-Trichloroethane	9.84		"	10.0		98.4	78-136		3.69	30	
1,1,2,2-Tetrachloroethane	9.63		"	10.0		96.3	76-129		4.89	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	54-165		3.72	30	
1,1,2-Trichloroethane	8.76		"	10.0		87.6	82-123		4.08	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		2.91	30	
1,1-Dichloroethylene	11.0		"	10.0		110	68-138		4.18	30	
1,2,3-Trichlorobenzene	6.49		"	10.0		64.9	76-136	Low Bias	8.18	30	
1,2,3-Trichloropropane	8.75		"	10.0		87.5	77-128		3.37	30	
1,2,4-Trichlorobenzene	7.21		"	10.0		72.1	76-137	Low Bias	3.96	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		1.56	30	
1,2-Dibromo-3-chloropropane	9.43		"	10.0		94.3	45-147		2.69	30	
1,2-Dibromoethane	8.14		"	10.0		81.4	83-124	Low Bias	3.37	30	
1,2-Dichlorobenzene	8.75		"	10.0		87.5	79-123		0.918	30	
1,2-Dichloroethane	9.63		"	10.0		96.3	73-132		1.36	30	
1,2-Dichloropropane	11.3		"	10.0		113	78-126		0.0881	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.20	30	
1,3-Dichlorobenzene	9.18		"	10.0		91.8	86-122		0.868	30	
1,4-Dichlorobenzene	8.85		"	10.0		88.5	85-124		1.12	30	
1,4-Dioxane	251		"	210		119	10-349		23.9	30	
2-Butanone	7.67		"	10.0		76.7	49-152		0.390	30	
2-Hexanone	10.1		"	10.0		101	51-146		13.4	30	
4-Methyl-2-pentanone	9.44		"	10.0		94.4	57-145		13.1	30	
Acetone	8.75		"	10.0		87.5	14-150		10.3	30	
Acrolein	1.56		"	10.0		15.6	10-153		9.76	30	
Acrylonitrile	7.51		"	10.0		75.1	51-150		1.34	30	
Benzene	10.5		"	10.0		105	85-126		2.35	30	
Bromochloromethane	10.6		"	10.0		106	77-128		1.31	30	
Bromodichloromethane	9.63		"	10.0		96.3	79-128		3.16	30	
Bromoform	6.92		"	10.0		69.2	78-133	Low Bias	2.04	30	
Bromomethane	10.6		"	10.0		106	43-168		12.9	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41798 - EPA 5030B</b>											
<b>LCS Dup (BD41798-BSD1)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 04/23/2024		
Carbon disulfide	10.6		ug/L	10.0		106	68-146		5.13	30	
Carbon tetrachloride	9.30		"	10.0		93.0	77-141		5.74	30	
Chlorobenzene	9.64		"	10.0		96.4	88-120		1.03	30	
Chloroethane	13.8		"	10.0		138	65-136	High Bias	2.07	30	
Chloroform	9.61		"	10.0		96.1	82-128		2.57	30	
Chloromethane	15.4		"	10.0		154	43-155		9.59	30	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129		2.19	30	
cis-1,3-Dichloropropylene	9.59		"	10.0		95.9	80-131		0.313	30	
Cyclohexane	5.74		"	10.0		57.4	63-149	Low Bias	3.93	30	
Dibromochloromethane	8.28		"	10.0		82.8	80-130		2.07	30	
Dibromomethane	8.33		"	10.0		83.3	72-134		2.06	30	
Dichlorodifluoromethane	7.24		"	10.0		72.4	44-144		3.66	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		1.45	30	
Hexachlorobutadiene	6.55		"	10.0		65.5	67-146	Low Bias	1.97	30	
Isopropylbenzene	11.2		"	10.0		112	76-140		4.78	30	
Methyl acetate	9.01		"	10.0		90.1	51-139		9.66	30	
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	76-135		7.70	30	
Methylcyclohexane	11.1		"	10.0		111	72-143		1.43	30	
Methylene chloride	11.1		"	10.0		111	55-137		1.52	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		1.10	30	
n-Propylbenzene	11.5		"	10.0		115	78-133		4.60	30	
o-Xylene	10.4		"	10.0		104	78-130		0.480	30	
p- & m- Xylenes	21.8		"	20.0		109	77-133		0.914	30	
p-Isopropyltoluene	10.6		"	10.0		106	81-136		2.25	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		3.39	30	
Styrene	9.87		"	10.0		98.7	67-132		0.101	30	
tert-Butyl alcohol (TBA)	31.9		"	50.0		63.8	25-162		27.5	30	
tert-Butylbenzene	9.16		"	10.0		91.6	77-138		3.75	30	
Tetrachloroethylene	8.68		"	10.0		86.8	82-131		3.40	30	
Toluene	10.8		"	10.0		108	80-127		0.370	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		3.01	30	
trans-1,3-Dichloropropylene	9.65		"	10.0		96.5	78-131		3.16	30	
Trichloroethylene	9.94		"	10.0		99.4	82-128		2.48	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		6.23	30	
Vinyl Chloride	14.4		"	10.0		144	58-145		0.900	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>8.61</i>		<i>"</i>	<i>10.0</i>		<i>86.1</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.2</i>		<i>"</i>	<i>10.0</i>		<i>112</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41914 - EPA 3510C

Blank (BD41914-BLK1)	Blank										
											Prepared & Analyzed: 04/25/2024
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41914 - EPA 3510C**

Blank (BD41914-BLK1)	Blank	Prepared & Analyzed: 04/25/2024									
Surrogate: SURR: 2-Fluorophenol	15.7		ug/L	50.0		31.5	19.7-63.1				
Surrogate: SURR: Phenol-d6	10.4		"	50.0		20.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.9		"	25.0		87.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.5		"	25.0		66.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	51.7		"	50.0		103	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.9		"	25.0		87.7	30.7-106				

Blank (BD41914-BLK2)	Blank	Prepared & Analyzed: 04/25/2024									
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41914 - EPA 3510C</b>											
<b>LCS (BD41914-BS1)</b>	<b>LCS</b>	Prepared & Analyzed: 04/25/2024									
1,1-Biphenyl	15.8	5.00	ug/L	25.0		63.3	33-95				
1,2,4,5-Tetrachlorobenzene	16.5	5.00	"	25.0		65.9	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	18.8	5.00	"	25.0		75.0	16-141				
2,3,4,6-Tetrachlorophenol	11.7	5.00	"	25.0		46.9	30-130				
2,4,5-Trichlorophenol	14.0	5.00	"	25.0		56.0	32-114				
2,4,6-Trichlorophenol	15.4	5.00	"	25.0		61.6	35-118				
2,4-Dichlorophenol	17.6	5.00	"	25.0		70.4	25-116				
2,4-Dimethylphenol	13.4	5.00	"	25.0		53.8	15-116				
2,4-Dinitrophenol	7.21	5.00	"	25.0		28.8	10-170				
2,4-Dinitrotoluene	23.0	5.00	"	25.0		92.1	41-128				
2,6-Dinitrotoluene	23.8	5.00	"	25.0		95.2	45-116				
2-Chloronaphthalene	15.8	5.00	"	25.0		63.4	33-112				
2-Chlorophenol	13.9	5.00	"	25.0		55.6	15-120				
2-Methylnaphthalene	17.2	5.00	"	25.0		69.0	24-118				
2-Methylphenol	14.1	5.00	"	25.0		56.6	10-110				
2-Nitroaniline	20.2	5.00	"	25.0		80.6	34-129				
2-Nitrophenol	20.3	5.00	"	25.0		81.3	28-118				
3- & 4-Methylphenols	9.31	5.00	"	25.0		37.2	10-107				
3,3-Dichlorobenzidine	18.4	5.00	"	25.0		73.6	15-187				
3-Nitroaniline	15.6	5.00	"	25.0		62.3	24-134				
4,6-Dinitro-2-methylphenol	21.2	5.00	"	25.0		84.7	10-153				
4-Bromophenyl phenyl ether	19.6	5.00	"	25.0		78.4	34-120				
4-Chloro-3-methylphenol	19.4	5.00	"	25.0		77.5	20-120				
4-Chloroaniline	10.7	5.00	"	25.0		42.8	10-147				
4-Chlorophenyl phenyl ether	18.3	5.00	"	25.0		73.1	27-121				
4-Nitroaniline	18.1	5.00	"	25.0		72.4	13-134				
4-Nitrophenol	28.9	5.00	"	25.0		116	10-131				
Acetophenone	17.4	5.00	"	25.0		69.7	25-110				
Aniline	20.1	5.00	"	25.0		80.4	10-117				
Benzaldehyde	12.3	5.00	"	25.0		49.2	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	5.77	5.00	"	25.0		23.1	10-117				
Benzyl butyl phthalate	13.8	5.00	"	25.0		55.1	29-133				
Bis(2-chloroethoxy)methane	18.9	5.00	"	25.0		75.4	10-154				
Bis(2-chloroethyl)ether	25.4	5.00	"	25.0		101	17-125				
Bis(2-chloroisopropyl)ether	21.8	5.00	"	25.0		87.0	10-139				
Caprolactam	2.92	5.00	"	25.0		11.7	10-137				
Carbazole	17.0	5.00	"	25.0		68.0	42-126				
Dibenzofuran	17.1	5.00	"	25.0		68.4	36-113				
Diethyl phthalate	16.3	5.00	"	25.0		65.3	38-115				
Dimethyl phthalate	17.6	5.00	"	25.0		70.4	38-129				
Di-n-butyl phthalate	16.0	5.00	"	25.0		64.0	31-120				
Di-n-octyl phthalate	15.5	5.00	"	25.0		62.0	21-149				
Diphenylamine	19.2	5.00	"	25.0		76.8	40-140				
Hexachlorocyclopentadiene	6.64	10.0	"	25.0		26.6	10-130				
Isophorone	21.4	5.00	"	25.0		85.7	25-127				
N-nitroso-di-n-propylamine	16.9	5.00	"	25.0		67.6	26-122				
N-Nitrosodiphenylamine	18.6	5.00	"	25.0		74.5	23-149				
Phenol	6.06	5.00	"	25.0		24.2	10-110				
Pyridine	13.7	5.00	"	35.0		39.1	10-90				
Surrogate: SURR: 2-Fluorophenol	15.3		"	50.0		30.6	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41914 - EPA 3510C

LCS (BD41914-BS1)	LCS	Prepared & Analyzed: 04/25/2024									
Surrogate: SURR: Phenol-d6	10.0	ug/L	50.0	20.1	10.1-41.7						
Surrogate: SURR: Nitrobenzene-d5	21.1	"	25.0	84.6	50.2-113						
Surrogate: SURR: 2-Fluorobiphenyl	16.6	"	25.0	66.5	39.9-105						
Surrogate: SURR: 2,4,6-Tribromophenol	51.1	"	50.0	102	39.3-151						
Surrogate: SURR: Terphenyl-d14	17.7	"	25.0	70.7	30.7-106						

LCS (BD41914-BS2)	LCS	Prepared & Analyzed: 04/25/2024									
Acenaphthene	0.890	0.0500	ug/L	1.00	89.0	25-116					
Acenaphthylene	0.940	0.0500	"	1.00	94.0	26-116					
Anthracene	0.580	0.0500	"	1.00	58.0	25-123					
Benzo(a)anthracene	0.970	0.0500	"	1.00	97.0	33-125					
Benzo(a)pyrene	0.900	0.0500	"	1.00	90.0	32-132					
Benzo(b)fluoranthene	1.19	0.0500	"	1.00	119	22-137					
Benzo(g,h,i)perylene	1.35	0.0500	"	1.00	135	10-138					
Benzo(k)fluoranthene	1.16	0.0500	"	1.00	116	20-137					
Bis(2-ethylhexyl)phthalate	1.49	0.500	"	1.00	149	10-189					
Chrysene	1.05	0.0500	"	1.00	105	32-124					
Dibenzo(a,h)anthracene	1.32	0.0500	"	1.00	132	16-133					
Fluoranthene	1.08	0.0500	"	1.00	108	32-121					
Fluorene	0.980	0.0500	"	1.00	98.0	28-118					
Hexachlorobenzene	1.24	0.0200	"	1.00	124	23-124					
Hexachlorobutadiene	0.930	0.500	"	1.00	93.0	15-123					
Hexachloroethane	4.76	0.500	"	1.00	476	18-115	High Bias				
Indeno(1,2,3-cd)pyrene	1.35	0.0500	"	1.00	135	15-135					
Naphthalene	0.890	0.0500	"	1.00	89.0	18-120					
Nitrobenzene	0.670	0.250	"	1.00	67.0	21-121					
N-Nitrosodimethylamine	ND	0.500	"	1.00		10-124	Low Bias				
Pentachlorophenol	1.60	0.250	"	1.00	160	10-156	High Bias				
Phenanthrene	0.920	0.0500	"	1.00	92.0	24-127					
Pyrene	1.03	0.0500	"	1.00	103	31-132					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41914 - EPA 3510C</b>											
<b>LCS Dup (BD41914-BSD1)</b>	<b>LCS Dup</b>	Prepared & Analyzed: 04/25/2024									
1,1-Biphenyl	15.2	5.00	ug/L	25.0		60.9	33-95		3.87	20	
1,2,4,5-Tetrachlorobenzene	15.8	5.00	"	25.0		63.2	26-120		4.28	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.3	5.00	"	25.0		73.1	16-141		2.65	20	
2,3,4,6-Tetrachlorophenol	11.2	5.00	"	25.0		44.6	30-130		5.07	20	
2,4,5-Trichlorophenol	13.2	5.00	"	25.0		52.6	32-114		6.26	20	
2,4,6-Trichlorophenol	14.5	5.00	"	25.0		57.9	35-118		6.23	20	
2,4-Dichlorophenol	17.0	5.00	"	25.0		68.1	25-116		3.29	20	
2,4-Dimethylphenol	12.3	5.00	"	25.0		49.4	15-116		8.53	20	
2,4-Dinitrophenol	7.34	5.00	"	25.0		29.4	10-170		1.79	20	
2,4-Dinitrotoluene	22.6	5.00	"	25.0		90.6	41-128		1.62	20	
2,6-Dinitrotoluene	24.0	5.00	"	25.0		96.0	45-116		0.837	20	
2-Chloronaphthalene	15.4	5.00	"	25.0		61.4	33-112		3.14	20	
2-Chlorophenol	12.7	5.00	"	25.0		50.7	15-120		9.11	20	
2-Methylnaphthalene	16.2	5.00	"	25.0		65.0	24-118		6.03	20	
2-Methylphenol	13.7	5.00	"	25.0		54.9	10-110		3.02	20	
2-Nitroaniline	20.3	5.00	"	25.0		81.2	34-129		0.741	20	
2-Nitrophenol	19.3	5.00	"	25.0		77.3	28-118		5.05	20	
3- & 4-Methylphenols	9.16	5.00	"	25.0		36.6	10-107		1.62	20	
3,3-Dichlorobenzidine	18.7	5.00	"	25.0		74.8	15-187		1.56	20	
3-Nitroaniline	15.5	5.00	"	25.0		62.0	24-134		0.451	20	
4,6-Dinitro-2-methylphenol	23.8	5.00	"	25.0		95.4	10-153		11.9	20	
4-Bromophenyl phenyl ether	19.5	5.00	"	25.0		78.0	34-120		0.512	20	
4-Chloro-3-methylphenol	19.0	5.00	"	25.0		75.9	20-120		2.03	20	
4-Chloroaniline	10.0	5.00	"	25.0		40.2	10-147		6.36	20	
4-Chlorophenyl phenyl ether	18.0	5.00	"	25.0		71.9	27-121		1.60	20	
4-Nitroaniline	18.4	5.00	"	25.0		73.7	13-134		1.81	20	
4-Nitrophenol	28.4	5.00	"	25.0		114	10-131		1.64	20	
Acetophenone	15.9	5.00	"	25.0		63.5	25-110		9.25	20	
Aniline	18.6	5.00	"	25.0		74.6	10-117		7.53	20	
Benzaldehyde	11.2	5.00	"	25.0		44.9	29-117		9.18	20	
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	5.52	5.00	"	25.0		22.1	10-117		4.43	20	
Benzyl butyl phthalate	14.2	5.00	"	25.0		57.0	29-133		3.36	20	
Bis(2-chloroethoxy)methane	17.8	5.00	"	25.0		71.4	10-154		5.56	20	
Bis(2-chloroethyl)ether	23.5	5.00	"	25.0		94.0	17-125		7.57	20	
Bis(2-chloroisopropyl)ether	20.1	5.00	"	25.0		80.2	10-139		8.13	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	17.6	5.00	"	25.0		70.4	42-126		3.41	20	
Dibenzofuran	16.6	5.00	"	25.0		66.2	36-113		3.33	20	
Diethyl phthalate	16.3	5.00	"	25.0		65.4	38-115		0.0612	20	
Dimethyl phthalate	17.1	5.00	"	25.0		68.4	38-129		3.00	20	
Di-n-butyl phthalate	16.3	5.00	"	25.0		65.1	31-120		1.74	20	
Di-n-octyl phthalate	16.1	5.00	"	25.0		64.5	21-149		3.86	20	
Diphenylamine	19.0	5.00	"	25.0		76.0	40-140		1.10	20	
Hexachlorocyclopentadiene	6.15	10.0	"	25.0		24.6	10-130		7.66	20	
Isophorone	20.1	5.00	"	25.0		80.3	25-127		6.50	20	
N-nitroso-di-n-propylamine	15.9	5.00	"	25.0		63.5	26-122		6.16	20	
N-Nitrosodiphenylamine	18.3	5.00	"	25.0		73.0	23-149		2.01	20	
Phenol	6.12	5.00	"	25.0		24.5	10-110		0.985	20	
Pyridine	11.8	5.00	"	35.0		33.6	10-90		15.1	20	
Surrogate: SURR: 2-Fluorophenol	14.0		"	50.0		27.9	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41914 - EPA 3510C**

LCS Dup (BD41914-BSD1)    LCS Dup

Prepared & Analyzed: 04/25/2024

Surrogate: SURR: Phenol-d6	6.86		ug/L	50.0		13.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.0		"	25.0		75.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.2		"	25.0		60.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	48.8		"	50.0		97.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	18.2		"	25.0		72.6	30.7-106				

**Batch BD41915 - EPA 3510C**

Blank (BD41915-BLK1)    Blank

Prepared: 04/25/2024 Analyzed: 04/26/2024

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41915 - EPA 3510C**

Blank (BD41915-BLK1)	Blank	Prepared: 04/25/2024 Analyzed: 04/26/2024									
Di-n-butyl phthalate	ND	5.00	ug/L								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	15.4		"	50.0		30.8	19.7-63.1				
<i>Surrogate: SURR: Phenol-d6</i>	11.0		"	50.0		21.9	10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	19.4		"	25.0		77.8	50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	15.2		"	25.0		60.7	39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	52.0		"	50.0		104	39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	23.4		"	25.0		93.8	30.7-106				

Blank (BD41915-BLK2)	Blank	Prepared: 04/25/2024 Analyzed: 04/26/2024									
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41915 - EPA 3510C</b>											
<b>LCS (BD41915-BS1)</b>	<b>LCS</b>	Prepared: 04/25/2024 Analyzed: 04/26/2024									
1,1-Biphenyl	21.2	5.00	ug/L	25.0		84.8	33-95				
1,2,4,5-Tetrachlorobenzene	19.7	5.00	"	25.0		78.9	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	27.9	5.00	"	25.0		112	16-141				
2,3,4,6-Tetrachlorophenol	25.5	5.00	"	25.0		102	30-130				
2,4,5-Trichlorophenol	20.8	5.00	"	25.0		83.4	32-114				
2,4,6-Trichlorophenol	23.0	5.00	"	25.0		91.9	35-118				
2,4-Dichlorophenol	25.4	5.00	"	25.0		102	25-116				
2,4-Dimethylphenol	19.1	5.00	"	25.0		76.4	15-116				
2,4-Dinitrophenol	10.4	5.00	"	25.0		41.7	10-170				
2,4-Dinitrotoluene	37.3	5.00	"	25.0		149	41-128	High Bias			
2,6-Dinitrotoluene	37.3	5.00	"	25.0		149	45-116	High Bias			
2-Chloronaphthalene	20.1	5.00	"	25.0		80.3	33-112				
2-Chlorophenol	17.6	5.00	"	25.0		70.3	15-120				
2-Methylnaphthalene	21.8	5.00	"	25.0		87.4	24-118				
2-Methylphenol	5.87	5.00	"	25.0		23.5	10-110				
2-Nitroaniline	32.0	5.00	"	25.0		128	34-129				
2-Nitrophenol	25.6	5.00	"	25.0		102	28-118				
3- & 4-Methylphenols	12.8	5.00	"	25.0		51.0	10-107				
3,3-Dichlorobenzidine	26.5	5.00	"	25.0		106	15-187				
3-Nitroaniline	24.4	5.00	"	25.0		97.8	24-134				
4,6-Dinitro-2-methylphenol	40.5	5.00	"	25.0		162	10-153	High Bias			
4-Bromophenyl phenyl ether	29.6	5.00	"	25.0		118	34-120				
4-Chloro-3-methylphenol	31.4	5.00	"	25.0		125	20-120	High Bias			
4-Chloroaniline	11.0	5.00	"	25.0		44.1	10-147				
4-Chlorophenyl phenyl ether	26.5	5.00	"	25.0		106	27-121				
4-Nitroaniline	29.6	5.00	"	25.0		118	13-134				
4-Nitrophenol	44.8	5.00	"	25.0		179	10-131	High Bias			
Acetophenone	22.4	5.00	"	25.0		89.7	25-110				
Aniline	21.7	5.00	"	25.0		86.7	10-117				
Benzaldehyde	14.8	5.00	"	25.0		59.0	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	9.56	5.00	"	25.0		38.2	10-117				
Benzyl butyl phthalate	24.0	5.00	"	25.0		96.0	29-133				
Bis(2-chloroethoxy)methane	25.7	5.00	"	25.0		103	10-154				
Bis(2-chloroethyl)ether	27.3	5.00	"	25.0		109	17-125				
Bis(2-chloroisopropyl)ether	23.2	5.00	"	25.0		92.8	10-139				
Caprolactam	2.70	5.00	"	25.0		10.8	10-137				
Carbazole	26.1	5.00	"	25.0		104	42-126				
Dibenzofuran	24.1	5.00	"	25.0		96.5	36-113				
Diethyl phthalate	26.6	5.00	"	25.0		107	38-115				
Dimethyl phthalate	27.4	5.00	"	25.0		110	38-129				
Di-n-butyl phthalate	27.1	5.00	"	25.0		108	31-120				
Di-n-octyl phthalate	27.9	5.00	"	25.0		112	21-149				
Diphenylamine	28.3	5.00	"	25.0		113	40-140				
Hexachlorocyclopentadiene	7.32	10.0	"	25.0		29.3	10-130				
Isophorone	30.6	5.00	"	25.0		122	25-127				
N-nitroso-di-n-propylamine	23.7	5.00	"	25.0		94.7	26-122				
N-Nitrosodiphenylamine	26.8	5.00	"	25.0		107	23-149				
Phenol	8.84	5.00	"	25.0		35.4	10-110				
Pyridine	3.77	5.00	"	35.0		10.8	10-90				
Surrogate: SURR: 2-Fluorophenol	18.7		"	50.0		37.4	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41915 - EPA 3510C

LCS (BD41915-BS1) LCS Prepared: 04/25/2024 Analyzed: 04/26/2024

Surrogate: SURR: Phenol-d6	10.2		ug/L	50.0		20.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	24.2		"	25.0		96.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.5		"	25.0		82.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	76.0		"	50.0		152	39.3-151				
Surrogate: SURR: Terphenyl-d14	27.4		"	25.0		109	30.7-106				

LCS (BD41915-BS2) LCS Prepared: 04/25/2024 Analyzed: 04/26/2024

Acenaphthene	0.960	0.0500	ug/L	1.00		96.0	25-116				
Acenaphthylene	1.03	0.0500	"	1.00		103	26-116				
Anthracene	0.690	0.0500	"	1.00		69.0	25-123				
Benzo(a)anthracene	1.16	0.0500	"	1.00		116	33-125				
Benzo(a)pyrene	1.00	0.0500	"	1.00		100	32-132				
Benzo(b)fluoranthene	1.44	0.0500	"	1.00		144	22-137	High Bias			
Benzo(g,h,i)perylene	1.57	0.0500	"	1.00		157	10-138	High Bias			
Benzo(k)fluoranthene	1.40	0.0500	"	1.00		140	20-137	High Bias			
Bis(2-ethylhexyl)phthalate	2.01	0.500	"	1.00		201	10-189	High Bias			
Chrysene	1.26	0.0500	"	1.00		126	32-124	High Bias			
Dibenzo(a,h)anthracene	1.57	0.0500	"	1.00		157	16-133	High Bias			
Fluoranthene	1.32	0.0500	"	1.00		132	32-121	High Bias			
Fluorene	1.13	0.0500	"	1.00		113	28-118				
Hexachlorobenzene	1.40	0.0200	"	1.00		140	23-124	High Bias			
Hexachlorobutadiene	0.800	0.500	"	1.00		80.0	15-123				
Hexachloroethane	3.88	0.500	"	1.00		388	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.57	0.0500	"	1.00		157	15-135	High Bias			
Naphthalene	0.870	0.0500	"	1.00		87.0	18-120				
Nitrobenzene	0.620	0.250	"	1.00		62.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.81	0.250	"	1.00		181	10-156	High Bias			
Phenanthrene	1.14	0.0500	"	1.00		114	24-127				
Pyrene	1.34	0.0500	"	1.00		134	31-132	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41915 - EPA 3510C</b>												
<b>Matrix Spike (BD41915-MS1)</b>	<b>Matrix Spike</b>	<b>*Source sample: 24D1414-01 (Matrix Spike)</b>						<b>Prepared: 04/25/2024 Analyzed: 04/26/2024</b>				
1,1-Biphenyl	23.9	5.00	ug/L	25.0	ND	95.5	26-79	High Bias				
1,2,4,5-Tetrachlorobenzene	22.1	5.00	"	25.0	ND	88.6	33-90					
1,2-Diphenylhydrazine (as Azobenzene)	31.6	5.00	"	25.0	ND	126	21-107	High Bias				
2,3,4,6-Tetrachlorophenol	28.8	5.00	"	25.0	ND	115	30-130					
2,4,5-Trichlorophenol	25.4	5.00	"	25.0	ND	101	43-96	High Bias				
2,4,6-Trichlorophenol	27.9	5.00	"	25.0	ND	112	46-94	High Bias				
2,4-Dichlorophenol	28.9	5.00	"	25.0	ND	116	26-101	High Bias				
2,4-Dimethylphenol	22.9	5.00	"	25.0	ND	91.8	10-104					
2,4-Dinitrophenol	38.1	5.00	"	25.0	ND	153	10-146	High Bias				
2,4-Dinitrotoluene	42.8	5.00	"	25.0	ND	171	30-108	High Bias				
2,6-Dinitrotoluene	42.3	5.00	"	25.0	ND	169	38-98	High Bias				
2-Chloronaphthalene	22.9	5.00	"	25.0	ND	91.6	30-89	High Bias				
2-Chlorophenol	21.2	5.00	"	25.0	ND	85.0	24-98					
2-Methylnaphthalene	25.2	5.00	"	25.0	ND	101	10-112					
2-Methylphenol	22.9	5.00	"	25.0	ND	91.6	10-134					
2-Nitroaniline	36.7	5.00	"	25.0	ND	147	25-110	High Bias				
2-Nitrophenol	30.2	5.00	"	25.0	ND	121	10-139					
3- & 4-Methylphenols	21.2	5.00	"	25.0	ND	84.8	10-91					
3,3-Dichlorobenzidine	23.7	5.00	"	25.0	ND	95.0	10-140					
3-Nitroaniline	24.4	5.00	"	25.0	ND	97.7	22-111					
4,6-Dinitro-2-methylphenol	56.6	5.00	"	25.0	ND	226	10-140	High Bias				
4-Bromophenyl phenyl ether	34.4	5.00	"	25.0	ND	138	30-108	High Bias				
4-Chloro-3-methylphenol	35.1	5.00	"	25.0	ND	141	11-109	High Bias				
4-Chloroaniline	12.3	5.00	"	25.0	ND	49.1	10-116					
4-Chlorophenyl phenyl ether	30.3	5.00	"	25.0	ND	121	39-85	High Bias				
4-Nitroaniline	32.9	5.00	"	25.0	ND	132	11-132					
4-Nitrophenol	46.5	5.00	"	25.0	ND	186	10-82	High Bias				
Acetophenone	28.3	5.00	"	25.0	ND	113	14-102	High Bias				
Aniline	27.4	5.00	"	25.0	ND	110	10-80	High Bias				
Benzaldehyde	21.3	5.00	"	25.0	ND	85.1	13-87					
Benzoic acid	ND	5.00	"	25.0	ND		10-162	Low Bias				
Benzyl alcohol	13.3	5.00	"	25.0	ND	53.2	10-102					
Benzyl butyl phthalate	27.4	5.00	"	25.0	ND	110	10-133					
Bis(2-chloroethoxy)methane	28.8	5.00	"	25.0	ND	115	18-105	High Bias				
Bis(2-chloroethyl)ether	34.3	5.00	"	25.0	ND	137	10-108	High Bias				
Bis(2-chloroisopropyl)ether	27.8	5.00	"	25.0	ND	111	13-116					
Caprolactam	3.67	5.00	"	25.0	ND	14.7	10-75					
Carbazole	31.0	5.00	"	25.0	ND	124	36-108	High Bias				
Dibenzofuran	27.7	5.00	"	25.0	ND	111	34-92	High Bias				
Diethyl phthalate	29.9	5.00	"	25.0	ND	119	33-98	High Bias				
Dimethyl phthalate	30.6	5.00	"	25.0	ND	122	18-116	High Bias				
Di-n-butyl phthalate	31.0	5.00	"	25.0	ND	124	25-97	High Bias				
Di-n-octyl phthalate	32.2	5.00	"	25.0	ND	129	10-137					
Diphenylamine	32.8	5.00	"	25.0	ND	131	40-140					
Hexachlorocyclopentadiene	8.12	10.0	"	25.0	ND	32.5	10-79					
Isophorone	34.9	5.00	"	25.0	ND	140	25-103	High Bias				
N-nitroso-di-n-propylamine	24.8	5.00	"	25.0	ND	99.3	19-115					
N-Nitrosodiphenylamine	31.9	5.00	"	25.0	ND	128	31-112	High Bias				
Phenol	11.3	5.00	"	25.0	ND	45.4	10-61					
Pyridine	15.5	5.00	"	35.0	ND	44.3	10-78					
Surrogate: SURR: 2-Fluorophenol	20.9		"	50.0		41.8	19.7-63.1					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41915 - EPA 3510C</b>											
<b>Matrix Spike (BD41915-MS1) Matrix Spike</b>						*Source sample: 24D1414-01 (Matrix Spike)					
						Prepared: 04/25/2024 Analyzed: 04/26/2024					
Surrogate: SURR: Phenol-d6	12.7		ug/L	50.0		25.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	25.1		"	25.0		100	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	21.3		"	25.0		85.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	79.0		"	50.0		158	39.3-151				
Surrogate: SURR: Terphenyl-d14	29.6		"	25.0		118	30.7-106				
<b>Matrix Spike Dup (BD41915-1) Matrix Spike Dup</b>						*Source sample: 24D1414-01 (Matrix Spike Dup)					
						Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,1-Biphenyl	19.8	5.00	ug/L	25.0	ND	79.3	26-79	High Bias	18.5	25	
1,2,4,5-Tetrachlorobenzene	18.8	5.00	"	25.0	ND	75.4	33-90		16.1	25	
1,2-Diphenylhydrazine (as Azobenzene)	26.8	5.00	"	25.0	ND	107	21-107		16.3	25	
2,3,4,6-Tetrachlorophenol	23.7	5.00	"	25.0	ND	94.9	30-130		19.2	25	
2,4,5-Trichlorophenol	20.5	5.00	"	25.0	ND	82.2	43-96		21.0	25	
2,4,6-Trichlorophenol	22.6	5.00	"	25.0	ND	90.4	46-94		21.0	25	
2,4-Dichlorophenol	22.7	5.00	"	25.0	ND	90.9	26-101		23.9	25	
2,4-Dimethylphenol	18.1	5.00	"	25.0	ND	72.3	10-104		23.8	25	
2,4-Dinitrophenol	23.9	5.00	"	25.0	ND	95.7	10-146		45.8	25	Non-dir.
2,4-Dinitrotoluene	35.4	5.00	"	25.0	ND	142	30-108	High Bias	19.1	25	
2,6-Dinitrotoluene	35.3	5.00	"	25.0	ND	141	38-98	High Bias	18.0	25	
2-Chloronaphthalene	19.2	5.00	"	25.0	ND	76.6	30-89		17.8	25	
2-Chlorophenol	14.2	5.00	"	25.0	ND	57.0	24-98		39.4	25	Non-dir.
2-Methylnaphthalene	20.8	5.00	"	25.0	ND	83.0	10-112		19.4	25	
2-Methylphenol	17.8	5.00	"	25.0	ND	71.0	10-134		25.3	25	Non-dir.
2-Nitroaniline	30.2	5.00	"	25.0	ND	121	25-110	High Bias	19.4	25	
2-Nitrophenol	23.4	5.00	"	25.0	ND	93.7	10-139		25.3	25	Non-dir.
3- & 4-Methylphenols	16.9	5.00	"	25.0	ND	67.6	10-91		22.6	25	
3,3-Dichlorobenzidine	21.2	5.00	"	25.0	ND	84.7	10-140		11.4	25	
3-Nitroaniline	22.6	5.00	"	25.0	ND	90.3	22-111		7.91	25	
4,6-Dinitro-2-methylphenol	42.4	5.00	"	25.0	ND	170	10-140	High Bias	28.5	25	Non-dir.
4-Bromophenyl phenyl ether	28.8	5.00	"	25.0	ND	115	30-108	High Bias	17.8	25	
4-Chloro-3-methylphenol	29.2	5.00	"	25.0	ND	117	11-109	High Bias	18.6	25	
4-Chloroaniline	11.0	5.00	"	25.0	ND	44.0	10-116		10.9	25	
4-Chlorophenyl phenyl ether	25.5	5.00	"	25.0	ND	102	39-85	High Bias	17.4	25	
4-Nitroaniline	27.6	5.00	"	25.0	ND	110	11-132		17.7	25	
4-Nitrophenol	41.8	5.00	"	25.0	ND	167	10-82	High Bias	10.8	25	
Acetophenone	21.8	5.00	"	25.0	ND	87.1	14-102		26.2	25	Non-dir.
Aniline	19.8	5.00	"	25.0	ND	79.1	10-80		32.3	25	Non-dir.
Benzaldehyde	15.6	5.00	"	25.0	ND	62.4	13-87		30.8	25	Non-dir.
Benzoic acid	ND	5.00	"	25.0	ND		10-162	Low Bias		25	
Benzyl alcohol	9.48	5.00	"	25.0	ND	37.9	10-102		33.5	25	Non-dir.
Benzyl butyl phthalate	23.3	5.00	"	25.0	ND	93.1	10-133		16.3	25	
Bis(2-chloroethoxy)methane	23.0	5.00	"	25.0	ND	91.9	18-105		22.4	25	
Bis(2-chloroethyl)ether	25.0	5.00	"	25.0	ND	99.8	10-108		31.5	25	Non-dir.
Bis(2-chloroisopropyl)ether	20.6	5.00	"	25.0	ND	82.6	13-116		29.5	25	Non-dir.
Caprolactam	3.02	5.00	"	25.0	ND	12.1	10-75		19.4	25	
Carbazole	25.7	5.00	"	25.0	ND	103	36-108		18.9	25	
Dibenzofuran	23.2	5.00	"	25.0	ND	93.0	34-92	High Bias	17.6	25	
Diethyl phthalate	24.7	5.00	"	25.0	ND	98.8	33-98	High Bias	18.9	25	
Dimethyl phthalate	25.9	5.00	"	25.0	ND	104	18-116		16.5	25	
Di-n-butyl phthalate	25.9	5.00	"	25.0	ND	103	25-97	High Bias	18.1	25	
Di-n-octyl phthalate	27.6	5.00	"	25.0	ND	111	10-137		15.3	25	
Diphenylamine	27.4	5.00	"	25.0	ND	110	40-140		17.9	25	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41915 - EPA 3510C

Matrix Spike Dup (BD41915-1)	Matrix Spike Dup	Source sample: 24D1414-01 (Matrix Spike Dup)	Prepared: 04/25/2024	Analyzed: 04/26/2024							
Hexachlorocyclopentadiene	6.90	10.0	ug/L	25.0	ND	27.6	10-79		16.2	25	
Isophorone	28.2	5.00	"	25.0	ND	113	25-103	High Bias	21.3	25	
N-nitroso-di-n-propylamine	22.4	5.00	"	25.0	ND	89.6	19-115		10.2	25	
N-Nitrosodiphenylamine	26.4	5.00	"	25.0	ND	106	31-112		18.9	25	
Phenol	7.88	5.00	"	25.0	ND	31.5	10-61		36.0	25	Non-dir.
Pyridine	7.37	5.00	"	35.0	ND	21.1	10-78		71.0	25	Non-dir.
Surrogate: SURR: 2-Fluorophenol	14.2		"	50.0		28.5	19.7-63.1				
Surrogate: SURR: Phenol-d6	8.40		"	50.0		16.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.2		"	25.0		72.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.3		"	25.0		65.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	63.8		"	50.0		128	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.0		"	25.0		92.1	30.7-106				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41733 - EPA 3535A</b>												
<b>Blank (BD41733-BLK1)</b>	<b>Blank</b>										Prepared: 04/23/2024 Analyzed: 04/24/2024	
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.05		"	4.00		51.3	36.6-118					
<b>LCS (BD41733-BS1)</b>	<b>LCS</b>										Prepared: 04/23/2024 Analyzed: 04/24/2024	
1,4-Dioxane	3.78	0.300	ug/L	4.00		94.4	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.05		"	4.00		51.3	36.6-118					
<b>Matrix Spike (BD41733-MS1)</b>	<b>Matrix Spike</b>	*Source sample: 24D1357-06 (FB01_041924)										Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	3.46	0.300	ug/L	4.00	ND	86.4	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.04		"	4.00		51.1	50-130					
<b>Matrix Spike Dup (BD41733-MS1)</b>	<b>Matrix Spike Dup</b>	*Source sample: 24D1357-06 (FB01_041924)										Prepared: 04/23/2024 Analyzed: 04/24/2024
1,4-Dioxane	3.54	0.300	ug/L	4.00	ND	88.4	50-130		2.29	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.00		"	4.00		50.0	50-130					



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41878 - EPA 1633 Prep</b>											
<b>Blank (BD41878-BLK1)</b>	<b>Blank</b>										Prepared: 04/24/2024 Analyzed: 04/26/2024
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
<i>Surrogate: M3PFBS</i>	31.6		"	46.6		67.7	25-150				
<i>Surrogate: M5PFHxA</i>	33.1		"	50.0		66.2	25-150				
<i>Surrogate: M4PFHpA</i>	68.8		"	50.0		138	25-150				
<i>Surrogate: M3PFHxS</i>	45.0		"	47.4		95.0	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	35.3		"	50.0		70.7	25-150				
<i>Surrogate: M6PFDA</i>	22.6		"	25.0		90.4	25-150				
<i>Surrogate: M7PFUdA</i>	21.2		"	25.0		84.7	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	16.6		"	25.0		66.3	25-150				
<i>Surrogate: M2PFTeDA</i>	15.1		"	25.0		60.4	10-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41878 - EPA 1633 Prep</b>											
<b>Blank (BD41878-BLK1) Blank</b>		Prepared: 04/24/2024 Analyzed: 04/26/2024									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.87		ng/L	200		0.936	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	45.1		"	47.9		94.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	19.6		"	100		19.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.5		"	50.0		82.9	10-150				
Surrogate: d3-N-MeFOSAA	76.8		"	100		76.8	25-150				
Surrogate: d5-N-EtFOSAA	73.4		"	100		73.4	25-150				
Surrogate: M2-6:2 FTS	161		"	95.1		169	25-200				
Surrogate: M2-8:2 FTS	86.4		"	96.0		90.0	25-200				
Surrogate: M9PFNA	20.2		"	25.0		80.6	25-150				
Surrogate: M2-4:2 FTS	132		"	93.8		141	25-150				
Surrogate: d-N-MeFOSA	37.7		"	50.0		75.3	25-150				
Surrogate: d-N-EtFOSA	30.6		"	50.0		61.3	25-150				
Surrogate: M3HFPO-DA	139		"	200		69.3	25-150				
Surrogate: d9-N-EtFOSE	318		"	500		63.6	25-150				
Surrogate: d7-N-MeFOSE	296		"	500		59.2	25-150				
<b>LCS (BD41878-BS1) LCS</b>		Prepared: 04/24/2024 Analyzed: 04/26/2024									
Perfluorobutanesulfonic acid (PFBS)	65.7	3.54	ng/L	70.8		92.7	50-150				
Perfluorohexanoic acid (PFHxA)	78.3	4.00	"	80.0		97.8	50-150				
Perfluoroheptanoic acid (PFHpA)	52.0	4.00	"	80.0		65.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	75.9	3.66	"	73.2		104	50-150				
Perfluorooctanoic acid (PFOA)	89.8	4.00	"	80.0		112	50-150				
Perfluorooctanesulfonic acid (PFOS)	65.0	3.72	"	74.4		87.4	50-150				
Perfluorononanoic acid (PFNA)	87.7	4.00	"	80.0		110	50-150				
Perfluorodecanoic acid (PFDA)	89.3	4.00	"	80.0		112	50-150				
Perfluoroundecanoic acid (PFUnA)	94.9	4.00	"	80.0		119	50-150				
Perfluorododecanoic acid (PFDoA)	92.6	4.00	"	80.0		116	50-150				
Perfluorotridecanoic acid (PFTrDA)	86.3	4.00	"	80.0		108	50-150				
Perfluorotetradecanoic acid (PFTA)	83.5	4.00	"	80.0		104	50-150				
N-MeFOSAA	82.3	4.00	"	80.0		103	50-150				
N-EtFOSAA	77.4	4.00	"	80.0		96.8	50-150				
Perfluoropentanoic acid (PFPeA)	156	8.00	"	160		97.4	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	79.8	4.00	"	80.0		99.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.4	3.82	"	76.4		88.2	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	69.6	3.86	"	77.2		90.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	358	15.2	"	304		118	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	299	15.4	"	307		97.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	152	16.0	"	320		47.5	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	137	7.12	"	142		96.2	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	117	8.00	"	160		73.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.2	8.00	"	160		6.39	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	290	8.00	"	160		181	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	75.2	3.76	"	75.2		99.9	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	375	15.0	"	300		125	50-150				
HFPO-DA (Gen-X)	152	16.0	"	160		94.7	50-150				
11CL-PF3OUdS	158	15.1	"	151		104	50-150				
9CL-PF3ONS	172	15.0	"	150		115	50-150				
ADONA	197	15.1	"	151		130	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
<b>Batch BD41878 - EPA 1633 Prep</b>											
<b>LCS (BD41878-BS1)</b>	<b>LCS</b>	Prepared: 04/24/2024 Analyzed: 04/26/2024									
Perfluorododecanesulfonic acid (PFDoS)	63.0	3.88	ng/L	77.6		81.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	62.4	3.84	"	76.8		81.3	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	166	10.0	"	320		51.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	2080	50.0	"	1600		130	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2400	50.0	"	1600		150	50-150				
N-MeFOSE	749	40.0	"	800		93.6	50-150				
N-MeFOSA	80.0	4.00	"	80.0		100	50-150				
N-EtFOSE	685	40.0	"	800		85.7	50-150				
N-EtFOSA	80.6	4.00	"	80.0		101	50-150				
Surrogate: M3PFBS	43.0		"	46.6		92.3	25-150				
Surrogate: M5PFHxA	40.9		"	50.0		81.9	25-150				
Surrogate: M4PFHpA	78.1		"	50.0		156	25-150				
Surrogate: M3PFHxS	57.7		"	47.4		122	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	43.9		"	50.0		87.8	25-150				
Surrogate: M6PFDA	24.7		"	25.0		98.6	25-150				
Surrogate: M7PFUdA	23.8		"	25.0		95.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	18.2		"	25.0		72.8	25-150				
Surrogate: M2PFTeDA	20.0		"	25.0		80.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.43		"	200		0.715	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.9		"	47.9		117	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	21.9		"	100		21.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	49.7		"	50.0		99.4	10-150				
Surrogate: d3-N-MeFOSAA	102		"	100		102	25-150				
Surrogate: d5-N-EtFOSAA	88.7		"	100		88.7	25-150				
Surrogate: M2-6:2 FTS	223		"	95.1		235	25-200				
Surrogate: M2-8:2 FTS	136		"	96.0		141	25-200				
Surrogate: M9PFNA	26.4		"	25.0		106	25-150				
Surrogate: M2-4:2 FTS	173		"	93.8		184	25-150				
Surrogate: d-N-MeFOSA	48.8		"	50.0		97.7	25-150				
Surrogate: d-N-EtFOSA	41.8		"	50.0		83.6	25-150				
Surrogate: M3HFPO-DA	170		"	200		84.9	25-150				
Surrogate: d9-N-EtFOSE	379		"	500		75.8	25-150				
Surrogate: d7-N-MeFOSE	361		"	500		72.2	25-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41878 - EPA 1633 Prep</b>											
<b>LCS (BD41878-BS2)</b>	<b>LCS</b>	Prepared: 04/24/2024 Analyzed: 04/26/2024									
Perfluorobutanesulfonic acid (PFBS)	15.7	3.54	ng/L	14.2		111	50-150				
Perfluorohexanoic acid (PFHxA)	17.1	4.00	"	16.0		107	50-150				
Perfluoroheptanoic acid (PFHpA)	9.81	4.00	"	16.0		61.3	50-150				
Perfluorohexanesulfonic acid (PFHxS)	17.3	3.66	"	14.6		118	50-150				
Perfluorooctanoic acid (PFOA)	20.7	4.00	"	16.0		130	50-150				
Perfluorooctanesulfonic acid (PFOS)	19.7	3.72	"	14.9		132	50-150				
Perfluorononanoic acid (PFNA)	16.0	4.00	"	16.0		100	50-150				
Perfluorodecanoic acid (PFDA)	21.7	4.00	"	16.0		136	50-150				
Perfluoroundecanoic acid (PFUnA)	18.3	4.00	"	16.0		114	50-150				
Perfluorododecanoic acid (PFDoA)	18.0	4.00	"	16.0		112	50-150				
Perfluorotridecanoic acid (PFTriDA)	19.5	4.00	"	16.0		122	50-150				
Perfluorotetradecanoic acid (PFTA)	17.4	4.00	"	16.0		109	50-150				
N-MeFOSAA	18.5	4.00	"	16.0		116	50-150				
N-EtFOSAA	16.8	4.00	"	16.0		105	50-150				
Perfluoropentanoic acid (PFPeA)	33.0	8.00	"	32.0		103	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	17.6	4.00	"	16.0		110	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	15.7	3.82	"	15.3		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	15.8	3.86	"	15.4		102	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.0	15.2	"	60.8		132	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	67.9	15.4	"	61.4		110	50-150				
Perfluoro-n-butanoic acid (PFBA)	38.0	16.0	"	64.0		59.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	29.5	7.12	"	28.5		104	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	26.3	8.00	"	32.0		82.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.44	8.00	"	32.0		7.62	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	62.5	8.00	"	32.0		195	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	15.4	3.76	"	15.0		102	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	81.0	15.0	"	60.0		135	50-150				
HFPO-DA (Gen-X)	40.7	16.0	"	32.0		127	50-150				
11CL-PF3OUdS	34.2	15.1	"	30.2		113	50-150				
9CL-PF3ONS	37.0	15.0	"	29.9		124	50-150				
ADONA	40.6	15.1	"	30.2		134	50-150				
Perfluorododecanesulfonic acid (PFDoS)	15.1	3.88	"	15.5		97.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	15.5	3.84	"	15.4		101	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	34.2	10.0	"	64.0		53.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	429	50.0	"	320		134	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	517	50.0	"	320		162	50-150	High Bias			
N-MeFOSE	140	40.0	"	160		87.7	50-150				
N-MeFOSA	18.5	4.00	"	16.0		116	50-150				
N-EtFOSE	147	40.0	"	160		92.1	50-150				
N-EtFOSA	23.0	4.00	"	16.0		144	50-150				
<i>Surrogate: M3PFBS</i>	<i>40.1</i>		<i>"</i>	<i>46.6</i>		<i>86.2</i>	<i>25-150</i>				
<i>Surrogate: M5PFHxA</i>	<i>41.8</i>		<i>"</i>	<i>50.0</i>		<i>83.6</i>	<i>25-150</i>				
<i>Surrogate: M4PFHpA</i>	<i>82.3</i>		<i>"</i>	<i>50.0</i>		<i>165</i>	<i>25-150</i>				
<i>Surrogate: M3PFHxS</i>	<i>56.0</i>		<i>"</i>	<i>47.4</i>		<i>118</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	<i>44.6</i>		<i>"</i>	<i>50.0</i>		<i>89.2</i>	<i>25-150</i>				
<i>Surrogate: M6PFDA</i>	<i>24.4</i>		<i>"</i>	<i>25.0</i>		<i>97.7</i>	<i>25-150</i>				
<i>Surrogate: M7PFUdA</i>	<i>26.2</i>		<i>"</i>	<i>25.0</i>		<i>105</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	<i>18.3</i>		<i>"</i>	<i>25.0</i>		<i>73.3</i>	<i>25-150</i>				
<i>Surrogate: M2PFTeDA</i>	<i>15.5</i>		<i>"</i>	<i>25.0</i>		<i>62.1</i>	<i>10-150</i>				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41878 - EPA 1633 Prep

LCS (BD41878-BS2)	LCS	Prepared: 04/24/2024 Analyzed: 04/26/2024									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.59		ng/L	200		0.795	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	53.8		"	47.9		112	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	24.0		"	100		24.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	49.4		"	50.0		98.9	10-150				
Surrogate: d3-N-MeFOSAA	96.5		"	100		96.5	25-150				
Surrogate: d5-N-EtFOSAA	93.9		"	100		93.9	25-150				
Surrogate: M2-6:2 FTS	197		"	95.1		207	25-200				
Surrogate: M2-8:2 FTS	108		"	96.0		113	25-200				
Surrogate: M9PFNA	27.9		"	25.0		112	25-150				
Surrogate: M2-4:2 FTS	163		"	93.8		174	25-150				
Surrogate: d-N-MeFOSA	45.2		"	50.0		90.5	25-150				
Surrogate: d-N-EtFOSA	35.1		"	50.0		70.3	25-150				
Surrogate: M3HFPO-DA	168		"	200		83.8	25-150				
Surrogate: d9-N-EtFOSE	314		"	500		62.8	25-150				
Surrogate: d7-N-MeFOSE	345		"	500		69.0	25-150				

Duplicate (BD41878-DUP1)	Duplicate	*Source sample: 24D1138-01 (Duplicate)										Prepared: 04/24/2024 Analyzed: 04/26/2024	
Perfluorobutanesulfonic acid (PFBS)	2.58	3.21	ng/L		2.52					2.56	30		
Perfluorohexanoic acid (PFHxA)	2.32	3.63	"		2.06				12.1	30			
Perfluoroheptanoic acid (PFHpA)	ND	3.63	"		ND					30			
Perfluorohexanesulfonic acid (PFHxS)	1.46	3.32	"		ND					30			
Perfluorooctanoic acid (PFOA)	3.01	3.63	"		2.29				27.2	30			
Perfluorooctanesulfonic acid (PFOS)	ND	3.37	"		ND					30			
Perfluorononanoic acid (PFNA)	ND	3.63	"		1.08					30			
Perfluorodecanoic acid (PFDA)	ND	3.63	"		ND					30			
Perfluoroundecanoic acid (PFUnA)	ND	3.63	"		ND					30			
Perfluorododecanoic acid (PFDoA)	ND	3.63	"		ND					30			
Perfluorotridecanoic acid (PFTrDA)	ND	3.63	"		ND					30			
Perfluorotetradecanoic acid (PFTA)	ND	3.63	"		ND					30			
N-MeFOSAA	ND	3.63	"		ND					30			
N-EtFOSAA	ND	3.63	"		ND					30			
Perfluoropentanoic acid (PFPeA)	5.36	7.25	"		5.21				2.83	30			
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.63	"		ND					30			
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.46	"		ND					30			
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.50	"		ND					30			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	13.8	"		ND					30			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	13.9	"		ND					30			
Perfluoro-n-butanoic acid (PFBA)	ND	14.5	"		ND					30			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	6.46	"		ND					30			
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	7.25	"		ND					30			
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.25	"		ND					30			
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.25	"		ND					30			
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.41	"		ND					30			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	13.6	"		ND					30			
HFPO-DA (Gen-X)	ND	14.5	"		ND					30			
11CL-PF3OUdS	ND	13.7	"		ND					30			
9CL-PF3ONS	ND	13.6	"		ND					30			
ADONA	ND	13.7	"		ND					30			



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD41878 - EPA 1633 Prep

Duplicate (BD41878-DUP1)	Duplicate	*Source sample: 24D1138-01 (Duplicate)				Prepared: 04/24/2024 Analyzed: 04/26/2024	
Perfluorododecanesulfonic acid (PFDoS)	ND	3.52	ng/L	ND			30
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.48	"	ND			30
3-Perfluoropropyl propanoic acid (FPrPA)	ND	9.07	"	ND			30
3-Perfluoropentyl propanoic acid (FPePA)	ND	45.3	"	ND			30
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	45.3	"	ND			30
N-MeFOSE	ND	36.3	"	ND			30
N-MeFOSA	ND	3.63	"	ND			30
N-EtFOSE	ND	36.3	"	ND			30
N-EtFOSA	ND	3.63	"	ND			30
Surrogate: M3PFBS	42.3		"	42.2	100	25-150	
Surrogate: M5PFHxA	40.5		"	45.3	89.3	25-150	
Surrogate: M4PFHpA	66.9		"	45.3	148	25-150	
Surrogate: M3PFHxS	47.3		"	43.0	110	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	37.1		"	45.3	81.9	25-150	
Surrogate: M6PFDA	22.2		"	22.7	98.0	25-150	
Surrogate: M7PFUdA	20.3		"	22.7	89.8	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	16.4		"	22.7	72.5	25-150	
Surrogate: M2PFTeDA	14.9		"	22.7	65.9	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.25		"	181	1.79	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	45.0		"	43.4	104	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.7		"	90.7	49.3	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	44.2		"	45.3	97.4	10-150	
Surrogate: d3-N-MeFOSAA	80.5		"	90.7	88.8	25-150	
Surrogate: d5-N-EtFOSAA	73.9		"	90.7	81.5	25-150	
Surrogate: M2-6:2 FTS	181		"	86.2	210	25-200	
Surrogate: M2-8:2 FTS	94.1		"	87.0	108	25-200	
Surrogate: M9PFNA	18.9		"	22.7	83.6	25-150	
Surrogate: M2-4:2 FTS	226		"	85.0	266	25-150	
Surrogate: d-N-MeFOSA	38.0		"	45.3	83.7	25-150	
Surrogate: d-N-EtFOSA	36.5		"	45.3	80.4	25-150	
Surrogate: M3HFPO-DA	152		"	181	83.7	25-150	
Surrogate: d9-N-EtFOSE	315		"	453	69.5	25-150	
Surrogate: d7-N-MeFOSE	313		"	453	69.2	25-150	



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41623 - EPA SW846-3510C Low Level**

Blank (BD41623-BLK1)	Blank	Prepared: 04/22/2024 Analyzed: 04/23/2024									
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
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Surrogate: Decachlorobiphenyl	0.184		"	0.200		92.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.141		"	0.200		70.5	30-150				

LCS (BD41623-BS1)	LCS	Prepared: 04/22/2024 Analyzed: 04/23/2024									
4,4'-DDD	0.0763	0.00400	ug/L	0.100		76.3	40-140			20	
4,4'-DDE	0.0661	0.00400	"	0.100		66.1	40-140			20	
4,4'-DDT	0.0910	0.00400	"	0.100		91.0	40-140			20	
Aldrin	0.0507	0.00400	"	0.100		50.7	40-140			20	
alpha-BHC	0.0652	0.00400	"	0.100		65.2	40-140			20	
alpha-Chlordane	0.0646	0.00400	"	0.100		64.6	40-140			20	
beta-BHC	0.0758	0.00400	"	0.100		75.8	40-140			20	
delta-BHC	0.0731	0.00400	"	0.100		73.1	40-140			20	
Dieldrin	0.0712	0.00200	"	0.100		71.2	40-140			20	
Endosulfan I	0.0722	0.00400	"	0.100		72.2	40-140			20	
Endosulfan II	0.0819	0.00400	"	0.100		81.9	40-140			20	
Endosulfan sulfate	0.0779	0.00400	"	0.100		77.9	40-140			20	
Endrin	0.0793	0.00400	"	0.100		79.3	40-140			20	
Endrin aldehyde	0.0948	0.0100	"	0.100		94.8	40-140			20	
Endrin ketone	0.0858	0.0100	"	0.100		85.8	40-140			20	
gamma-BHC (Lindane)	0.0717	0.00400	"	0.100		71.7	40-140			20	
gamma-Chlordane	0.0660	0.0100	"	0.100		66.0	40-140			20	
Heptachlor	0.0646	0.00400	"	0.100		64.6	40-140			20	
Heptachlor epoxide	0.0718	0.00400	"	0.100		71.8	40-140			20	
Methoxychlor	0.0989	0.00400	"	0.100		98.9	40-140			20	
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Surrogate: Decachlorobiphenyl	0.168		"	0.200		84.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.140		"	0.200		69.9	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41623 - EPA SW846-3510C Low Level</b>											
<b>LCS Dup (BD41623-BSD1)</b>	<b>LCS Dup</b>								Prepared: 04/22/2024 Analyzed: 04/23/2024		
4,4'-DDD	0.0780	0.00400	ug/L	0.100		78.0	40-140		2.16	20	
4,4'-DDE	0.0695	0.00400	"	0.100		69.5	40-140		5.03	20	
4,4'-DDT	0.0941	0.00400	"	0.100		94.1	40-140		3.32	20	
Aldrin	0.0575	0.00400	"	0.100		57.5	40-140		12.6	20	
alpha-BHC	0.0658	0.00400	"	0.100		65.8	40-140		0.802	20	
alpha-Chlordane	0.0672	0.00400	"	0.100		67.2	40-140		4.00	20	
beta-BHC	0.0805	0.00400	"	0.100		80.5	40-140		5.93	20	
delta-BHC	0.0755	0.00400	"	0.100		75.5	40-140		3.22	20	
Dieldrin	0.0734	0.00200	"	0.100		73.4	40-140		3.05	20	
Endosulfan I	0.0746	0.00400	"	0.100		74.6	40-140		3.21	20	
Endosulfan II	0.0842	0.00400	"	0.100		84.2	40-140		2.73	20	
Endosulfan sulfate	0.0794	0.00400	"	0.100		79.4	40-140		1.84	20	
Endrin	0.0815	0.00400	"	0.100		81.5	40-140		2.76	20	
Endrin aldehyde	0.0860	0.0100	"	0.100		86.0	40-140		9.72	20	
Endrin ketone	0.0891	0.0100	"	0.100		89.1	40-140		3.80	20	
gamma-BHC (Lindane)	0.0740	0.00400	"	0.100		74.0	40-140		3.14	20	
gamma-Chlordane	0.0687	0.0100	"	0.100		68.7	40-140		4.03	20	
Heptachlor	0.0721	0.00400	"	0.100		72.1	40-140		11.0	20	
Heptachlor epoxide	0.0741	0.00400	"	0.100		74.1	40-140		3.15	20	
Methoxychlor	0.0999	0.00400	"	0.100		99.9	40-140		1.04	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.176</i>		<i>"</i>	<i>0.200</i>		<i>87.9</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.153</i>		<i>"</i>	<i>0.200</i>		<i>76.7</i>	<i>30-150</i>				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41623 - EPA SW846-3510C Low Level</b>												
<b>Blank (BD41623-BLK2)</b>	<b>Blank</b>								Prepared & Analyzed: 04/22/2024			
Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.114		"	0.200		57.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.171		"	0.200		85.5	30-120					
<b>LCS (BD41623-BS2)</b>	<b>LCS</b>								Prepared & Analyzed: 04/22/2024			
Aroclor 1016	0.839	0.0500	ug/L	1.00		83.9	40-120					
Aroclor 1260	1.15	0.0500	"	1.00		115	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.104		"	0.200		52.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.437		"	0.200		218	30-120					
<b>LCS Dup (BD41623-BSD2)</b>	<b>LCS Dup</b>								Prepared & Analyzed: 04/22/2024			
Aroclor 1016	0.701	0.0500	ug/L	1.00		70.1	40-120	17.9	30			
Aroclor 1260	0.959	0.0500	"	1.00		95.9	40-120	18.0	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.110		"	0.200		55.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.333		"	0.200		166	30-120					



**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41670 - EPA 8151A</b>												
<b>Blank (BD41670-BLK1)</b>	<b>Blank</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	ND	5.00	ug/L									
2,4,5-TP (Silvex)	ND	5.00	"									
2,4-D	ND	5.00	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	136		"	125		109	30-150					
<b>LCS (BD41670-BS1)</b>	<b>LCS</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	32.8	5.00	ug/L	40.0		81.9	10-140					
2,4,5-TP (Silvex)	33.2	5.00	"	40.0		83.1	10-139					
2,4-D	32.8	5.00	"	40.0		81.9	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	151		"	125		121	30-150					
<b>LCS Dup (BD41670-BSD1)</b>	<b>LCS Dup</b>							Prepared: 04/22/2024 Analyzed: 04/24/2024				
2,4,5-T	29.2	5.00	ug/L	40.0		73.1	10-140	11.3	30			
2,4,5-TP (Silvex)	31.0	5.00	"	40.0		77.5	10-139	7.00	30			
2,4-D	30.8	5.00	"	40.0		76.9	10-140	6.30	30			
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	153		"	125		122	30-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41933 - EPA 3015A**

**Blank (BD41933-BLK1)      Blank** Prepared: 04/25/2024 Analyzed: 04/26/2024

Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

**LCS (BD41933-BS1)      LCS** Prepared: 04/25/2024 Analyzed: 04/26/2024

Aluminum - Dissolved	1.88		ug/mL	2.00	93.9	80-120					
Barium - Dissolved	2.03		"	2.00	101	80-120					
Calcium - Dissolved	0.915		"	1.00	91.5	80-120					
Chromium - Dissolved	0.196		"	0.200	97.8	80-120					
Cobalt - Dissolved	0.488		"	0.500	97.7	80-120					
Copper - Dissolved	0.307		"	0.250	123	80-120	High Bias				
Iron - Dissolved	0.894		"	1.00	89.4	80-120					
Lead - Dissolved	0.484		"	0.500	96.8	80-120					
Magnesium - Dissolved	0.897		"	1.00	89.7	80-120					
Manganese - Dissolved	0.509		"	0.500	102	80-120					
Nickel - Dissolved	0.499		"	0.500	99.7	80-120					
Potassium - Dissolved	1.04		"	1.00	104	80-120					
Silver - Dissolved	0.0448		"	0.0500	89.6	80-120					
Sodium - Dissolved	1.31		"	1.00	131	80-120	High Bias				
Vanadium - Dissolved	0.479		"	0.500	95.9	80-120					
Zinc - Dissolved	0.482		"	0.500	96.5	80-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41933 - EPA 3015A**

Duplicate (BD41933-DUP1)	Duplicate	*Source sample: 24D1357-02 (RIMW07_041924)						Prepared: 04/25/2024 Analyzed: 04/26/2024			
Aluminum - Dissolved	ND	0.0556	mg/L	ND	ND					20	
Barium - Dissolved	0.384	0.0278	"	0.382					0.641	20	
Calcium - Dissolved	174	0.0556	"	172					1.53	20	
Chromium - Dissolved	ND	0.00556	"	ND						20	
Cobalt - Dissolved	ND	0.00444	"	ND						20	
Copper - Dissolved	0.0315	0.0222	"	0.0352					11.1	20	
Iron - Dissolved	24.4	0.278	"	24.1					1.12	20	
Lead - Dissolved	0.00626	0.00556	"	0.00898					35.6	20	Non-dir.
Magnesium - Dissolved	47.3	0.0556	"	46.9					0.943	20	
Manganese - Dissolved	0.900	0.00556	"	0.897					0.389	20	
Nickel - Dissolved	ND	0.0111	"	ND						20	
Potassium - Dissolved	49.0	0.0556	"	48.8					0.252	20	
Silver - Dissolved	ND	0.00556	"	ND						20	
Sodium - Dissolved	785	0.556	"	785					0.00631	20	
Vanadium - Dissolved	ND	0.0111	"	ND						20	
Zinc - Dissolved	0.0388	0.0278	"	0.0412					5.93	20	

Matrix Spike (BD41933-MS1)	Matrix Spike	*Source sample: 24D1357-02 (RIMW07_041924)						Prepared: 04/25/2024 Analyzed: 04/26/2024			
Aluminum - Dissolved	2.51	0.0556	mg/L	2.22	ND	113	75-125				
Barium - Dissolved	2.69	0.0278	"	2.22	0.382	104	75-125				
Calcium - Dissolved	171	0.0556	"	1.11	172	NR	75-125	Low Bias			
Chromium - Dissolved	0.226	0.00556	"	0.222	ND	102	75-125				
Cobalt - Dissolved	0.537	0.00444	"	0.556	ND	96.6	75-125				
Copper - Dissolved	0.367	0.0222	"	0.278	0.0352	119	75-125				
Iron - Dissolved	24.9	0.278	"	1.11	24.1	63.9	75-125	Low Bias			
Lead - Dissolved	0.521	0.00556	"	0.556	0.00898	92.2	75-125				
Magnesium - Dissolved	47.6	0.0556	"	1.11	46.9	59.6	75-125	Low Bias			
Manganese - Dissolved	1.45	0.00556	"	0.556	0.897	99.9	75-125				
Nickel - Dissolved	0.544	0.0111	"	0.556	ND	98.0	75-125				
Potassium - Dissolved	49.7	0.0556	"	1.11	48.8	80.6	75-125				
Silver - Dissolved	0.0599	0.00556	"	0.0556	ND	108	75-125				
Sodium - Dissolved	784	0.556	"	1.11	785	NR	75-125	Low Bias			
Vanadium - Dissolved	0.560	0.0111	"	0.556	ND	101	75-125				
Zinc - Dissolved	0.587	0.0278	"	0.556	0.0412	98.3	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41933 - EPA 3015A**

**Post Spike (BD41933-PS1)**    **Post Spike**    \*Source sample: 24D1357-02 (RIMW07\_041924)    Prepared: 04/25/2024 Analyzed: 04/26/2024

Aluminum - Dissolved	2.27		ug/mL	2.00	0.0442	111	75-125				
Barium - Dissolved	2.47		"	2.00	0.344	106	75-125				
Calcium - Dissolved	155		"	1.00	155	91.1	75-125				
Chromium - Dissolved	0.206		"	0.200	0.00231	102	75-125				
Cobalt - Dissolved	0.490		"	0.500	-0.00182	98.0	75-125				
Copper - Dissolved	0.328		"	0.250	0.0317	118	75-125				
Iron - Dissolved	22.4		"	1.00	21.7	67.6	75-125	Low Bias			
Lead - Dissolved	0.477		"	0.500	0.00808	93.9	75-125				
Magnesium - Dissolved	42.6		"	1.00	42.2	38.5	75-125	Low Bias			
Manganese - Dissolved	1.32		"	0.500	0.807	103	75-125				
Nickel - Dissolved	0.493		"	0.500	0.00157	98.3	75-125				
Potassium - Dissolved	44.1		"	1.00	44.0	11.2	75-125	Low Bias			
Silver - Dissolved	0.0137		"	0.0500	0.0000776	27.3	75-125	Low Bias			
Sodium - Dissolved	692		"	1.00	707	NR	75-125	Low Bias			
Vanadium - Dissolved	0.512		"	0.500	0.00105	102	75-125				
Zinc - Dissolved	0.534		"	0.500	0.0370	99.3	75-125				

**Batch BD42007 - EPA 3015A**

**Blank (BD42007-BLK1)**    **Blank**    Prepared & Analyzed: 04/26/2024

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD42007 - EPA 3015A**

LCS (BD42007-BS1)	LCS	Prepared & Analyzed: 04/26/2024									
Aluminum	1.84		ug/mL	2.00		92.1	80-120				
Barium	2.08		"	2.00		104	80-120				
Calcium	0.935		"	1.00		93.5	80-120				
Chromium	0.200		"	0.200		100	80-120				
Cobalt	0.499		"	0.500		99.7	80-120				
Copper	0.268		"	0.250		107	80-120				
Iron	0.857		"	1.00		85.7	80-120				
Lead	0.491		"	0.500		98.2	80-120				
Magnesium	0.816		"	1.00		81.6	80-120				
Manganese	0.520		"	0.500		104	80-120				
Nickel	0.507		"	0.500		101	80-120				
Potassium	0.970		"	1.00		97.0	80-120				
Silver	0.0452		"	0.0500		90.5	80-120				
Sodium	0.883		"	1.00		88.3	80-120				
Vanadium	0.488		"	0.500		97.6	80-120				
Zinc	0.490		"	0.500		98.0	80-120				

Duplicate (BD42007-DUP1)	Duplicate	*Source sample: 24D1357-06 (FB01_041924)									
Aluminum	ND	0.0556	mg/L		ND						20
Barium	ND	0.0278	"		ND						20
Calcium	ND	0.0556	"		0.127						20
Chromium	ND	0.00556	"		ND						20
Cobalt	ND	0.00444	"		ND						20
Copper	ND	0.0222	"		ND						20
Iron	ND	0.278	"		ND						20
Lead	ND	0.00556	"		0.00619						20
Magnesium	ND	0.0556	"		ND						20
Manganese	ND	0.00556	"		ND						20
Nickel	ND	0.0111	"		ND						20
Potassium	ND	0.0556	"		0.0584						20
Silver	ND	0.00556	"		ND						20
Sodium	0.698	0.556	"		1.22				54.2	20	Non-dir.
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD42007 - EPA 3015A**

Matrix Spike (BD42007-MS1)	Matrix Spike	*Source sample: 24D1357-06 (FB01_041924)					Prepared & Analyzed: 04/26/2024				
Aluminum	2.14	0.0556	mg/L	2.22	ND	96.1	75-125				
Barium	2.25	0.0278	"	2.22	ND	101	75-125				
Calcium	0.981	0.0556	"	1.11	0.127	76.9	75-125				
Chromium	0.219	0.00556	"	0.222	ND	98.3	75-125				
Cobalt	0.541	0.00444	"	0.556	ND	97.3	75-125				
Copper	0.291	0.0222	"	0.278	ND	105	75-125				
Iron	0.939	0.278	"	1.11	ND	84.5	75-125				
Lead	0.532	0.00556	"	0.556	0.00619	94.7	75-125				
Magnesium	0.941	0.0556	"	1.11	ND	84.7	75-125				
Manganese	0.569	0.00556	"	0.556	ND	102	75-125				
Nickel	0.551	0.0111	"	0.556	ND	99.1	75-125				
Potassium	1.23	0.0556	"	1.11	0.0584	106	75-125				
Silver	0.0494	0.00556	"	0.0556	ND	89.0	75-125				
Sodium	1.59	0.556	"	1.11	1.22	34.0	75-125			Low Bias	
Vanadium	0.537	0.0111	"	0.556	ND	96.7	75-125				
Zinc	0.524	0.0278	"	0.556	ND	94.4	75-125				

Post Spike (BD42007-PS1)	Post Spike	*Source sample: 24D1357-06 (FB01_041924)					Prepared & Analyzed: 04/26/2024				
Aluminum	1.95		ug/mL	2.00	0.0156	96.8	75-125				
Barium	2.06		"	2.00	0.000465	103	75-125				
Calcium	0.930		"	1.00	0.114	81.6	75-125				
Chromium	0.199		"	0.200	0.00246	98.5	75-125				
Cobalt	0.495		"	0.500	-0.00109	98.9	75-125				
Copper	0.264		"	0.250	-0.00143	106	75-125				
Iron	0.877		"	1.00	0.0376	84.0	75-125				
Lead	0.489		"	0.500	0.00557	96.7	75-125				
Magnesium	0.889		"	1.00	-0.0314	88.9	75-125				
Manganese	0.520		"	0.500	0.000915	104	75-125				
Nickel	0.504		"	0.500	0.00128	101	75-125				
Potassium	1.13		"	1.00	0.0525	107	75-125				
Silver	0.0107		"	0.0500	-0.00141	21.4	75-125			Low Bias	
Sodium	1.39		"	1.00	1.10	29.3	75-125			Low Bias	
Vanadium	0.491		"	0.500	0.000403	98.1	75-125				
Zinc	0.483		"	0.500	0.0207	92.4	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD41934 - EPA 3015A**

<b>Blank (BD41934-BLK1)</b>		<b>Blank</b>										Prepared: 04/25/2024 Analyzed: 04/26/2024	
Antimony - Dissolved	ND	1.11	ug/L										
Arsenic - Dissolved	ND	1.11	"										
Beryllium - Dissolved	ND	0.333	"										
Cadmium - Dissolved	ND	0.556	"										
Selenium - Dissolved	1.44	1.11	"										
Thallium - Dissolved	ND	1.11	"										

<b>LCS (BD41934-BS1)</b>		<b>LCS</b>										Prepared: 04/25/2024 Analyzed: 04/26/2024	
Antimony - Dissolved	51.3		ug/L	50.0		103	80-120						
Arsenic - Dissolved	52.8		"	50.0		106	80-120						
Beryllium - Dissolved	48.9		"	50.0		97.8	80-120						
Cadmium - Dissolved	56.4		"	50.0		113	80-120						
Selenium - Dissolved	57.1		"	50.0		114	80-120						
Thallium - Dissolved	48.8		"	50.0		97.7	80-120						

<b>Duplicate (BD41934-DUP1)</b>		<b>Duplicate</b>										*Source sample: 24D1357-04 (RIMW05_041924)		Prepared: 04/25/2024 Analyzed: 04/26/2024	
Antimony - Dissolved	ND	1.11	ug/L		ND							20			
Arsenic - Dissolved	4.56	1.11	"		4.76				4.29			20			
Beryllium - Dissolved	ND	0.333	"		ND							20			
Cadmium - Dissolved	ND	0.556	"		ND							20			
Selenium - Dissolved	15.3	1.11	"		10.2				39.9			20 Non-dir.			
Thallium - Dissolved	ND	1.11	"		ND							20			

<b>Matrix Spike (BD41934-MS1)</b>		<b>Matrix Spike</b>										*Source sample: 24D1357-04 (RIMW05_041924)		Prepared: 04/25/2024 Analyzed: 04/26/2024	
Antimony - Dissolved	53.9		ug/L	50.0	0.457	107	75-125								
Arsenic - Dissolved	57.8		"	50.0	4.28	107	75-125								
Beryllium - Dissolved	35.2		"	50.0	0.0006	70.4	75-125	Low Bias							
Cadmium - Dissolved	52.1		"	50.0	0.017	104	75-125								
Selenium - Dissolved	68.2		"	50.0	9.17	118	75-125								
Thallium - Dissolved	40.5		"	50.0	0.010	81.1	75-125								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD42011 - EPA 3015A**

<b>Blank (BD42011-BLK1)</b>		<b>Blank</b>		Prepared & Analyzed: 04/26/2024							
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								

<b>LCS (BD42011-BS1)</b>		<b>LCS</b>		Prepared & Analyzed: 04/26/2024							
Antimony	52.0		ug/L	50.0	104	80-120					
Arsenic	52.3		"	50.0	105	80-120					
Beryllium	46.5		"	50.0	93.0	80-120					
Cadmium	50.4		"	50.0	101	80-120					
Selenium	54.0		"	50.0	108	80-120					
Thallium	46.8		"	50.0	93.6	80-120					

<b>Duplicate (BD42011-DUP1)</b>		<b>Duplicate</b>		<b>*Source sample: 24D1357-04 (RIMW05_041924)</b>		Prepared & Analyzed: 04/26/2024					
Antimony	ND	1.11	ug/L	ND							20
Arsenic	5.20	1.11	"	5.27					1.21		20
Beryllium	ND	0.333	"	ND							20
Cadmium	ND	0.556	"	ND							20
Selenium	14.5	1.11	"	14.0					3.66		20
Thallium	ND	1.11	"	ND							20

<b>Matrix Spike (BD42011-MS1)</b>		<b>Matrix Spike</b>		<b>*Source sample: 24D1357-04 (RIMW05_041924)</b>		Prepared & Analyzed: 04/26/2024					
Antimony	52.8		ug/L	50.0	0.466	105	75-125				
Arsenic	57.6		"	50.0	4.74	106	75-125				
Beryllium	34.8		"	50.0	0.010	69.5	75-125	Low Bias			
Cadmium	51.1		"	50.0	0.026	102	75-125				
Selenium	69.0		"	50.0	12.6	113	75-125				
Thallium	44.9		"	50.0	0.003	89.8	75-125				



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41929 - EPA SW846-7470A</b>											
<b>Blank (BD41929-BLK1)</b>	Blank										Prepared & Analyzed: 04/25/2024
Mercury - Dissolved	ND	0.0002	mg/L								
<b>Blank (BD41929-BLK2)</b>	Blank										Prepared & Analyzed: 04/25/2024
Mercury - Dissolved	ND	0.0002	mg/L								
<b>LCS (BD41929-BS1)</b>	LCS										Prepared & Analyzed: 04/25/2024
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120				
<b>LCS (BD41929-BS2)</b>	LCS										Prepared & Analyzed: 04/25/2024
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		102	80-120				
<b>Batch BD42127 - EPA SW846-7470A</b>											
<b>Blank (BD42127-BLK1)</b>	Blank										Prepared & Analyzed: 04/29/2024
Mercury	ND	0.0002	mg/L								
<b>Blank (BD42127-BLK2)</b>	Blank										Prepared & Analyzed: 04/29/2024
Mercury	ND	0.0002	mg/L								
<b>LCS (BD42127-BS1)</b>	LCS										Prepared & Analyzed: 04/29/2024
Mercury	0.0018972	0.0002	mg/L	0.00200		94.9	80-120				
<b>LCS (BD42127-BS2)</b>	LCS										Prepared & Analyzed: 04/29/2024
Mercury	0.0020030	0.0002	mg/L	0.00200		100	80-120				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BD41580 - Analysis Preparation</b>												
<b>Blank (BD41580-BLK1)</b>	Blank										Prepared & Analyzed: 04/19/2024	
Chromium, Hexavalent	ND	0.0100	mg/L									
<b>LCS (BD41580-BS1)</b>	LCS										Prepared & Analyzed: 04/19/2024	
Chromium, Hexavalent	0.483	0.0100	mg/L	0.500		96.6	85-115					
<b>Duplicate (BD41580-DUP1)</b>	Duplicate	*Source sample: 24D1345-01 (Duplicate)										Prepared & Analyzed: 04/19/2024
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20	
<b>Matrix Spike (BD41580-MS1)</b>	Matrix Spike	*Source sample: 24D1345-01 (Matrix Spike)										Prepared & Analyzed: 04/19/2024
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500	ND	97.0	85-115					
<b>Matrix Spike Dup (BD41580-MS1-DUP)</b>	Matrix Spike Dup	*Source sample: 24D1345-01 (Matrix Spike Dup)										Prepared & Analyzed: 04/19/2024
Chromium, Hexavalent	0.493	0.0100	mg/L	0.500	ND	98.6	85-115		1.64		200	
<b>Batch BD41901 - Analysis Preparation</b>												
<b>Blank (BD41901-BLK1)</b>	Blank										Prepared & Analyzed: 04/25/2024	
Cyanide, total	ND	0.0100	mg/L									
<b>LCS (BD41901-BS1)</b>	LCS										Prepared & Analyzed: 04/25/2024	
Cyanide, total	0.0864	0.0100	mg/L	0.100		86.4	80-120					
<b>Duplicate (BD41901-DUP1)</b>	Duplicate	*Source sample: 24D1250-01 (Duplicate)										Prepared & Analyzed: 04/25/2024
Cyanide, total	ND	0.0100	mg/L		ND						15	
<b>Matrix Spike (BD41901-MS1)</b>	Matrix Spike	*Source sample: 24D1250-01 (Matrix Spike)										Prepared & Analyzed: 04/25/2024
Cyanide, total	0.104	0.0100	mg/L	0.100	ND	104	79-105					



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD41901 - Analysis Preparation</b>											
<b>Matrix Spike Dup (BD41901-1) Matrix Spike Dup</b> *Source sample: 24D1250-01 (Matrix Spike Dup) Prepared & Analyzed: 04/25/2024											
Cyanide, total	0.103	0.0100	mg/L	0.100	ND	103	79-105		0.966	200	
<b>Batch BD41992 - Analysis Preparation</b>											
<b>Blank (BD41992-BLK1) Blank</b> Prepared & Analyzed: 04/26/2024											
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BD41992-BS1) LCS</b> Prepared & Analyzed: 04/26/2024											
Cyanide, total	0.0890	0.0100	mg/L	0.100		89.0	80-120				
<b>Duplicate (BD41992-DUP1) Duplicate</b> *Source sample: 24D1419-02 (Duplicate) Prepared & Analyzed: 04/26/2024											
Cyanide, total	ND	0.0100	mg/L		ND					15	
<b>Matrix Spike (BD41992-MS1) Matrix Spike</b> *Source sample: 24D1419-02 (Matrix Spike) Prepared & Analyzed: 04/26/2024											
Cyanide, total	0.0930	0.0100	mg/L	0.100	ND	93.0	79-105				
<b>Matrix Spike Dup (BD41992-1) Matrix Spike Dup</b> *Source sample: 24D1419-02 (Matrix Spike Dup) Prepared & Analyzed: 04/26/2024											
Cyanide, total	0.0950	0.0100	mg/L	0.100	ND	95.0	79-105		2.13	200	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24D1357-01	RIMW02_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-02	RIMW07_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-03	RIMW04_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-04	RIMW05_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-05	RIMW01_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-06	FB01_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1357-07	TB02_041924	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PRES	Sample was received with no preservative and was preserved upon receipt at the laboratory. If for metals, the sample was allowed to sit for 18-24 hours before analysis.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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



**High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

**Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# Field Chain-of-Custody Record

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

YORK Project No.

2401357

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 1 of 1

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company: Langan	Company:	Address: 300 NY 31st St, NY, NY 10001	Address:	Address:	Address:	170758101	RUSH - Next Day	RUSH - Next Day	RUSH - Two Day
Phone: 212-479-5100	Phone:	Contact: Albert Tashji	Contact:	Phone:	Phone:	YOUR Project Name	RUSH - Three Day	RUSH - Four Day	RUSH - Five Day
E-mail: atashji@langan.com	E-mail:			Contact:	Contact:	224 3rd Avenue	Standard (6-9 Day)	Standard (6-9 Day)	Standard (6-9 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Camille Quirk  
CQ

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	
DW - drinking water	Connecticut	CMDP	
WW - wastewater	Pennsylvania	Standard Excel EDD	
O - Oil	Other:	NY ASP B Package	

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
RIMW02-041924	GW	041924/0935	part 375/TCL VOCs, SVOCs, PCBs		16
RIMW07-041924		1215	pests & herbs part 375/TAL		16
RIMW04-041924		1432	total & dissolved metals (incl. cyanide, hex & trichloro), 1-4-		16
RIMW05-041924		1525	dioxane (8220-SIM), PFAS	*lab to field filter	16
RIMW01-041924	AQ	1555			16
FB01-041924	AQ	1500			16
TB02-041924			part 375/TCL VOCs		2

**Comments:**  
CL - Kyo@langan.com & datamanagement@langan.com \*lab to field filter RIMW01-041924\*  
Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company: Camille Quirk (Langan) 4/19/24  
Date/Time: 4/19/24 1652

2. Samples Relinquished by / Company: Ramon Duran  
Date/Time: 4/19/24 1652

3. Samples Relinquished by / Company: Ramon Duran  
Date/Time: 4/19/24 2:10

4. Samples Relinquished by / Company: Camille Quirk (Langan) 4/19/24  
Date/Time: 4/19/24 2:10

5. Samples Received in LAB by: CQA 4/19/24 2:10  
Date/Time: 4/19/24 2:10

Temperature: 118 Degrees C

## **APPENDIX J**

# **COMPLETED FISH AND WILDLIFE RESOURCES IMPACT ANALYSIS DECISION KEY**

<b>Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key</b>		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13	2
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5.	Has the contamination gone off-site?	6	14
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14.	No Fish and Wildlife Resources Impact Analysis needed.		